

*Publications Committee*

CATALOGUE

[111]

OF THE

UNIVERSITY OF TEXAS

FOR

1895-96.

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MAIN UNIVERSITY,  
AUSTIN, TEXAS.

MEDICAL DEPARTMENT,  
GALVESTON, TEXAS.



AUSTIN:  
BEN C. JONES & CO., STATE PRINTERS.  
1896

1896.

JANUARY.							FEBRUARY.							MARCH.						
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## BOARD OF REGENTS.

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T. S. HENDERSON, Cameron, Milam County.	}	Term expires
G. W. BRACKENRIDGE, San Antonio, Bexar Co.		Jan. 1, 1897.
T. D. WOOTEN, Austin, Travis County.	}	Term expires
F. W. BALL, Fort Worth, Tarrant County.		Jan. 1, 1899.
T. C. THOMPSON, Galveston, Galveston County.	}	Term expires
WM. L. PRATHER, Waco, McLennan County.		Jan. 1, 1901.
R. E. COWART, Dallas, Dallas County.	}	Term expires
BEAUREGARD BRYAN, Brenham, Washington Co.		Jan. 1, 1903.

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### OFFICERS.

T. D. WOOTEN, President.

J. J. LANE, Austin, Texas, Secretary.

### STANDING COMMITTEES.

G. W. BRACKENRIDGE,	}	Finance Committee.
T. S. HENDERSON,		
R. E. COWART,		
T. D. WOOTEN,	}	Executive Committee.
BEAUREGARD BRYAN,		
T. S. HENDERSON,		
R. E. COWART,	}	Visiting Committee.
WM. L. PRATHER,		
F. W. BALL,		
F. W. BALL,	}	Committee on Complaints.
T. S. HENDERSON,		
WM. L. PRATHER,		
T. S. HENDERSON,	}	Auditing Committee.
F. W. BALL,		
T. C. THOMPSON,	}	Committee on Medical Department.
BEAUREGARD BRYAN,		
T. D. WOOTEN,		
WM. L. PRATHER,	}	Committee on Buildings and Grounds.
G. W. BRACKENRIDGE,		
T. D. WOOTEN,		



## FACULTY OF THE UNIVERSITY.\*

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LESLIE WAGGENER, M. A., LL. D., *Professor of English, and  
President ad interim.*  
A. B., Harvard University, 1861.

GEORGE BRUCE HALSTED, M. A., PH. D., *Professor of Pure  
Mathematics.*  
A. B., Princeton University, 1875, and A. M., 1878; Ph. D., Johns Hopkins  
University, 1879.

GEORGE P. GARRISON, L. A., *Associate Professor of History.*  
L. A., University of Edinburgh, 1881.

THOMAS U. TAYLOR, C. E., *Associate Professor of Applied  
Mathematics.*  
C. E., University of Virginia, 1883; M. C. E., Cornell University, 1895.

THOMAS FITZ-HUGH, M. A., *Associate Professor of Latin.*  
M. A., University of Virginia, 1883.

FREDERIC WILLIAM SIMONDS, PH. D., *Professor of Geology.*  
B. S., Cornell University, 1875, and M. S., '76; Ph. D., Syracuse University, 79.

MORGAN CALLAWAY, JR., PH. D., *Associate Professor of English  
Philology.*  
A. B., Emory College (Ga.), 1881, and A. M., 1884; Ph. D., Johns Hopkins  
University, 1889.

SYLVESTER PRIMER, PH. D., *Adjunct Professor of Teutonic  
Languages.*  
A. B., Harvard University, 1874; Ph. D., Strassburg, 1880.

JOSEPH BALDWIN, LL. D., *Professor of Pedagogy.*  
B. A., Bethany College (Va.), 1852, M. A., 1856, and LL. D., 1890.

WILLIAM JAMES BATTLE, PH. D., *Associate Professor of Greek.*  
A. B., University of North Carolina, 1888; Ph. D., Harvard University, 1893.

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\* Within the groups the instructors are arranged according to seniority of appointment.

SIDNEY EDWARD MEZES, B. S., PH. D., *Adjunct Professor of Philosophy.*

B. S., University of California, 1884; A. B., Harvard University, 1890, A. M., 1891, and Ph. D., 1893.

DAVID FRANKLIN HOUSTON, A. B., A. M., *Adjunct Professor of Political Science.*

A. B., University of South Carolina, 1887; A. M., Harvard University, 1892.

HENRY WINSTON HARPER, PH. G., M. D., *Adjunct Professor of Chemistry.*

Ph. G., Philadelphia College of Pharmacy, 1881; M. D., University of Virginia, 1892.

AUSTIN LEE MCRAE, SC. D., *Associate Professor of Physics.*

B. S., University of Georgia, 1881; Sc. D., Harvard University, 1886.

WESLEY W. NORMAN, B. SC., A. M., *Adjunct Professor of Biology.*

B. Sc., University of Indiana, 1885; A. M., De Pauw University, 1894.

L. R. HAMBERLIN, B. A., *Adjunct Professor of English and Expression.*

B. A. Richmond College (Va.), 1892.

....., *Adjunct Professor of Romance Languages.\**

J. MAGNENAT, *Instructor in French.*

JESSIE ANDREWS, B. LIT., *Instructor in German.*

B. Lit., University of Texas, 1886.

ARTHUR LEFEVRE, *Instructor in Pure Mathematics.*

C. E., University of Texas, 1895.

E. P. SCHOCH, C. E., *Tutor in Chemistry.*

C. E., University of Texas, 1894.

STEPHEN GREGORY, C. E., *Tutor in Applied Mathematics.*

C. E., University of Texas, 1895.

L. G. BUGBEE, M. A., *Tutor in History.*

M. A., University of Texas, 1893.

DONALD CAMERON, B. A., *Fellow in Latin.*

B. A., University of Texas, 1895.

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\*The School of Romance Languages is at present in charge of the Professor of Teutonic Languages.

CHARLES THOMAS YEISER, B. A., *Fellow in Latin*.  
B. A., University of Texas, 1895.

B. S. BROWN, B. A., *Fellow in Biology*.  
B. A., University of Texas, 1890.

\*C. D. OLDRIGHT, *Student Assistant in Biology*.

FRITZ REICHMAN, *Student Assistant in Physics*.

ANDREW CYRUS McLAUGHLIN, *Student Assistant in Geology*.

MRS. H. M. KIRBY, *Lady Assistant*.

JAMES B. CLARK, A. B., *Proctor, Librarian, and Secretary of the  
Faculties of the Main University*.  
A. B., Harvard University, 1855.

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ROBERT S. GOULD, M. A., LL. D., *Professor of Law*.  
B. A., University of Alabama, 1844, and M. A., 1846; LL. D., Southwestern  
Presbyterian University (Tenn.), 1886.

ROBERT L. BATTS, LL. B., *Adjunct Professor of Law*.  
LL. B., University of Texas, 1886.

VICTOR LEE BROOKS, LL. B., *Instructor in Law*.  
LL. B., University of Texas, 1892.

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J. F. Y. PAINE, M. D.,  
*Professor of Obstetrics and Gynecology, and Dean of the Medical  
Faculty*.

H. A. WEST, M. D.,  
*Professor of the Principles and Practice of Medicine, and of  
Clinical Medicine*.

EDWARD RANDALL, M. D.,  
*Professor of Materia Medica and Therapeutics, and Lecturer on  
Physical Diagnosis*.

A. G. CLOPTON, M. D.,  
*Professor of Physiology and Hygiene*.

WILLIAM KEILLER, F. R. C. S., ED.,  
*Professor of Anatomy*.

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\* Deceased.

## UNIVERSITY OF TEXAS.

ALLEN J. SMITH, A. M., M. D.,  
*Professor of Pathology, and Lecturer on Mental and Nervous  
Diseases.*

J. E. THOMPSON, B. S., M. B. (London), F. R. C. S., Eng.,  
*Professor of Surgery.*

S. M. MORRIS, B. SC., M. D.,  
*Professor of Chemistry and Toxicology.*

R. R. D. CLINE, PH. G.,  
*Professor of Pharmacy.*

HENRY P. COOKE, M. D.,  
*Lecturer on Diseases of Children.*

GEORGE H. LEE, M. D.,  
*Lecturer on Diseases of the Skin.*

GEORGE P. HALL, M. D.,  
*Lecturer on Diseases of the Eye and of the Ear, Nose, and Throat.*

DAVID CERNA, M. D., PH. D.,  
*Lecturer on the History of Medicine, and Demonstrator of  
Physiology.*

HON. ROBERT G. STREET, B. A.,  
*Lecturer on Medical Jurisprudence.*

CARY H. WILKINSON, M. D.,  
*Lecturer on Clinical Surgery.*

I. M. CLINE, M. D.,  
*Lecturer on Climatology.*

THOMAS FLAVIN, M. D.,  
*Demonstrator of Anatomy.*

WILLIAM GAMMON, M. D.,  
*Demonstrator of Normal Histology.*

LOUIS E. MAGNENAT, M. D.,  
*Demonstrator of Chemistry.*

JAMES P. JOHNSON,  
*Provost of Medical Department, Secretary of the Faculty, and  
Librarian.*

# THE UNIVERSITY.

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## ORGANIZATION.

The University, as at present organized, comprises the Department of Literature, Science, and Arts, the Department of Engineering, the Department of Law, and the Department of Medicine. Each Department has its special faculty.

The Department of Literature, Science, and Arts, the Department of Engineering, and the Department of Law are at Austin. The Department of Medicine is at Galveston.

## CATALOGUE.

Copies of the Catalogue, and particular information in regard to the Department of Literature, Science, and Arts, the Department of Engineering, and the Department of Law, may be obtained from the Secretary of the Faculty, Austin, Texas; in regard to the Department of Medicine, from the Provost of the Medical Faculty, Galveston, Texas.

## CALENDAR FOR MAIN UNIVERSITY.

FOR THE SESSION OF 1895-96.

FINAL EXAMINATIONS BEGIN.....Monday, June 8, 1896.  
ANNUAL MEETING OF REGENTS.....Wednesday June 17, 1896.  
DEGREES AND CERTIFICATES CON-  
FERRED (COMMENCEMENT DAY).....Wednesday, June 17, 1896.

## FOR THE SESSION OF 1896-97.

SESSION BEGINS .....	Wednesday, Sept. 23, 1896.
THANKSGIVING DAY .....	
FALL EXAMINATIONS BEGIN .....	Thursday, Dec. 17, 1896.
CHRISTMAS RECESS BEGINS .....	Thursday, Dec. 24, 1896.
WINTER TERM BEGINS .....	Friday, Jan. 1, 1897.
WASHINGTON'S BIRTHDAY .....	Monday, Feb. 22, 1897.
WINTER EXAMINATIONS BEGIN .....	Monday, March 8, 1897.
SPRING TERM BEGINS .....	Monday, March 15, 1897.
SAN JACINTO DAY .....	Wednesday, April 21, 1897.
FINAL EXAMINATIONS BEGIN .....	Monday, June 14, 1897.
ANNUAL MEETING OF REGENTS .....	Wednesday, June 16, 1897.
DEGREES AND CERTIFICATES CON-	
FERRED (COMMENCEMENT DAY) ....	Wednesday, June 16, 1897.



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DEPARTMENT  
OF  
LITERATURE, SCIENCE, AND ARTS.

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## DEPARTMENT OF LITERATURE, SCIENCE, AND ARTS.

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### FACULTY.

- LESLIE WAGGENER, M. A., LL. D., *Professor of English, and President ad interim.*
- GEORGE BRUCE HALSTED, M. A., Ph. D., *Professor of Pure Mathematics.*
- GEORGE P. GARRISON, L. A., *Associate Professor of History.*
- THOMAS U. TAYLOR, C. E., *Associate Professor of Applied Mathematics.*
- THOMAS FITZ-HUGH, M. A., *Associate Professor of Latin.*
- FREDERIC WM. SIMONDS, Ph. D., *Professor of Geology.*
- MORGAN CALLAWAY, JR., Ph. D., *Associate Professor of English Philology.*
- SYLVESTER PRIMER, Ph. D., *Adjunct Professor of Teutonic Languages.*
- JOSEPH BALDWIN, LL. D., *Professor of Pedagogy.*
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- DAVID F. HOUSTON, A. B., A. M., *Adjunct Professor of Political Science.*
- HENRY W. HARPER, Ph. G., M. D., *Adjunct Professor of Chemistry.*
- A. L. MCRAE, Sc. D., *Associate Professor of Physics.*
- WESLEY W. NORMAN, B. Sc., M. A., *Adjunct Professor of Biology.*
- L. R. HAMBERLIN, B. A., *Adjunct Professor of English and Expression.*
- J. MAGNENAT, *Instructor in French.*
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B. S. BROWN, B. A., *Fellow in Biology.*

†C. D. OLDRIGHT, *Student Assistant in Biology.*

†Deceased.

FRITZ REICHMAN, *Student Assistant in Physics.*

ANDREW CYRUS McLAUGHLIN, *Student Assistant in Geology.*

MRS. H. M. KIRBY, *Lady Assistant.*

JAMES B. CLARK, A. B., *Proctor, Librarian, and Secretary of the Faculty.*

### PROCTOR.

The Proctor, elected biennially by the Regents, is the officer whose duty it is to receive all fees and other sums due from students, and to pay local expenditures under the regulations of the Regents. He is also Secretary of the Faculty and Librarian of the University. He has supervision of the buildings and of all the possessions of the University upon its campus. He is charged with their preservation and police, and, under advisement of the Committee of the Regents on Buildings and Grounds, superintends all the improvements of the campus, planting of trees, and erection of additional buildings. He is directed to keep a list of boarding houses for students, with their rates, and to aid and direct students in selecting suitable homes.

### OFFICE HOURS.

The President *ad interim* is in his office from 10 to 11 A. M. every week day during term-time.

A summons to any student to come before the President *ad interim* at his office hour is imperative upon such student, and excuses him from any lecture or other University exercise at that hour.

The Proctor, who is also Secretary of the Faculty, is to be found in the library every week day during term-time from 9 A. M. to 3 P. M.

Any Professor or Instructor may be seen in his lecture room, in regard to any of his classes, at the beginning or end of an hour indicated on the schedule for that class.

## REQUIREMENTS FOR ADMISSION.

### AGE AND CHARACTER.

Candidates for admission must not be less than sixteen years of age, and are required to furnish evidence of good moral character. Testimonials of character from their last instructors will be preferred.

### ENTRANCE EXAMINATION IN ENGLISH.

Every candidate for admission (except as hereinafter provided for: see "Entrance without Examination" in Index), whatever may be his age, will be required to pass an entrance examination in English.

Candidates will be examined upon English Grammar and upon Rhetoric. An opinion of the character and the amount of knowledge expected in the latter subject may be formed from Carpenter's *Exercises in Rhetoric and English Composition* (High School Edition, Macmillan & Co., New York).

In connection with the above, candidates will write a composition of about 350 words upon one of several assigned subjects, drawn from the books named below. The composition will be graded upon spelling, punctuation, grammar, sentence construction, paragraphing, and subject matter.

The works from which the subjects will be drawn are as follows:

In 1896: Longfellow's *Evangeline*; Shakespeare's *Midsummer Night's Dream*; Irving's *Tales of a Traveller*.

In 1897: Macaulay's *Life of Samuel Johnson*; Hawthorne's *Twice Told Tales*; Scott's *Marmion*; Shakespeare's *As You Like It*.

In 1898: Goldsmith's *Vicar of Wakefield*; Carlyle's *Essay on Burns*; Hawthorne's *The House of the Seven Gables*; Shakespeare's *Macbeth*.

Candidates are expected to be familiar with *all* the books prescribed for the year in which they enter.

No candidate who fails in the English entrance examination will be admitted, and no candidate who fails in English at the beginning of the Session will be allowed a re-examination until the opening of the Winter Term.

SPECIMEN PAPER OF ENTRANCE EXAMINATION IN ENGLISH.

I.

1. Name five kinds of Dependent Clauses, and illustrate each with a sentence.

2. Define the terms Attributive, Appositive, Predicative, and Factitive as applied to the use of adjectives. Illustrate each use with a sentence.

3. Explain, with examples, the principles governing the Sequence of Tenses.

4. Parse the italicized words in the following: (1) *Fearing that the load was injuring the horses, I felt no more pleasure in traveling through the entrancing country.* (2) *To tell the truth, I think you are to blame for going to sleep to kill time.* (3) *He can not choose but hear.* (4) *It were best let alone.* (5) *The more we study the wiser we become.*

(6) This *finished*, William handed his *brother* the second *book*, which was much *like* the *first*.

5. What does Unity demand (a) in the sentence? (b) in the paragraph? and (c) in the composition?

6. Define Solecism. Give examples of some Solecisms commonly used.

7. Explain the principle of Good Use as applied to the choice of words.

8. What does Emphasis demand (a) in the sentence? and (b) in the paragraph?

## II.

Write an essay of about 350 words on either of these subjects: (a) The Story of the Caskets (*The Merchant of Venice*); (b) Mr. Micawber: Some Characteristic Incidents in His Life; My Opinion of Him (*David Copperfield*).

### ENTRANCE EXAMINATION IN GREEK.

Candidates wishing to enter Course 1 in Greek (see Courses by Schools) will be examined as follows: In Grammar on Inflections and Syntax; in any three books of Xenophon's *Anabasis*; in translation of easy Greek at sight; in elementary exercises in translating English into Greek. Knowledge of accent is required.

### SPECIMEN PAPER OF ENTRANCE EXAMINATION IN GREEK.

[Translate into good, idiomatic English.]

1. Translate Xen. Anab. I. 9. §1-§3 inclusive.

2. Decline all substantives and give principal parts of all verbs in §1.

3. Explain the grammatical construction of all optatives and infinitives in §3.

4. Translate Xen. Anab. III. 2. §33-§35 inclusive.
5. Explain the case of the first relative pronoun in §33.
6. Explain so far as you can the formation of the present stem of all verbs in §35.
7. Into what classes are conditional sentences divided? Give an example *in Greek* of each class.
8. Translate (at sight) Xen. Hellen. IV. 8. §1, the naval operations of Conon and Pharnabazus after the battle of Cnidus.
9. Translate into Greek: (a) If Cyrus had not been killed in battle, he would have become king of the Persians; for the Greeks, of whom there were many in the army of Cyrus, were much better soldiers than the Persians. (b) When Cyrus was dead he was acknowledged by all to have been most worthy to rule. (c) Xenophon says that it was impossible to hear or see anything disgraceful at the court of the king, where the sons of the Persian nobles were educated.

BEGINNERS IN GREEK.—The admitted lack of primary instruction in Greek in the High Schools of the State has led to the organization of a class for beginners in Greek. It is hoped, however, that schools preparing students for the University will recognize the importance of carrying their pupils at least as far as the requirements for entering Course 1 in Greek, thus lightening their work while in the University. The course for beginners will be dropped from the University as soon as circumstances will permit.

#### ENTRANCE EXAMINATION IN HISTORY.

For entrance into the School of History, the outlines of Universal History will be required. The amount of knowledge required to pass in this subject will be indicated by Myers's Outlines of General History.



The entrance examination in History is required of students wishing to take Philosophy or Political Science.

SPECIMEN PAPER OF ENTRANCE EXAMINATION IN HISTORY.

1. Explain the origin of the Chaldean people. Describe the geography of Babylonia. Describe the ancient Persian religion.

2. Describe the constitution of Sparta. Explain the origin of the Greek drama, and name the great dramatic poets of Greece. What was Neo-Platonism?

3. What struggle was it that shaped the constitution of the early Roman republic? Explain the origin of the tribuneship and censorship.

4. How did Augustus change the republican to an imperial government? What were the limits of the Roman empire under Trajan?

5. What peoples covered Europe in 375 A. D., and how were they distributed? Describe the beginnings of Monasticism.

6. What was the theory of the feudal system? What were the causes of the fall of Feudalism?

7. Give brief history of the Hanseatic league.

8. What caused the revolt in the Netherlands under Philip II? Explain the geographical changes and political reorganization which resulted from it.

9. What reforms did Peter the Great make in Russian government and customs?

10. What were the causes of the French Revolution? Through what forms did the government pass from the outbreak of the Revolution to the coronation of Napoleon as emperor?

## ENTRANCE EXAMINATION IN LATIN.

Applicants for entrance into the Freshman Class will be examined as follows: in Grammar, with special stress upon Inflections and the Syntax of the Simple Sentence; in translating elementary English prose into Latin; in any four books of Cæsar's Commentaries and any four Orations of Cicero. Beginning with the year 1896-97 four Lives of Nepos will be required in addition to the preceding.

## SPECIMEN PAPER OF ENTRANCE EXAMINATION IN LATIN.

## INFLECTIONS.

1. When does signification determine gender and when not?
2. Discuss gender as determined by signification.
3. Decline *alius* throughout; quantity of the ultimate in the gen. sing.? Is the latter form in common classic use? If not, what supplies its place?
4. Discuss the abl. sing. in *ī* with examples.
5. Write out the cardinals, ordinals, distributives, and numeral adverbs from 1 to 5 inclusive.
6. Compare *carus*, *miser*, *similis*, *malevolus*; form and compare their corresponding adverbs.
7. Inflect the present subjunctive active of *tego*; imperf. subj. pass. of *capio*; fut. indic. pass. of *aperio*; imperative passive of *timeo*.
8. Give the principal parts of *prosum*, *volo*, *eo*, and the passive of *facio*; inflect pres. ind. of *eo* and *fio*.

## PROSE COMPOSITION.

*Translate into Latin.*

1. He said that he would always honor (*colo*) that friend, for that through him he had been delivered (*libero*) from the danger that threatened (*impendeo*) him. 2. If you had called the physician (*medicus*) you would have been delivered from the disease (*morbis*). 3. Although (*cum*) the fox had announced (*nuntio*) to the cock (*gallus*) that all enmities (*inimicitia*) between (gen.) the animals were extinguished, nevertheless when he heard that the dog was running up (*accurro*) he fled. 4. It is said (*memoriae traditum est*) that Seneca's memory was so strong (*tantus*) that he was able to repeat (*repeto*) two thousand verses (*versus, -us*).

## TRANSLATION OF AUTHORS.

A. Cæsar: De Bello Gallico; Lib. II, cap. 30. Translate the whole chapter.

B. Questions on the translation: 1. Construction of *adventu*, *oppido*, *proeliis*, *oppido* (2nd), *vineis*, *aggere* (i. e., case and why?). 2. Construction of *irridere*, *instrueretur* (i. e., mood, tense and why?). 3. Construction of *staturae*, *Gallis*, *contemptui*, *muro*, *collocare* and *confiderent*.

C. State as far as you can the object and character of Cæsar's Commentaries.

D. Cicero: In Catilinan Orationes; Orat. III, cap. 3. Translate from "*Cum summis ac clarissimis*," etc., to "*diligentiam pertimescendam*."

E. Questions on D: 1. Construction of *litteras*. 2. *Deferrem*: why imp. subj.? 3. Explain mood and tense of

*esset inventum.* 4. Construction of *deferrem.* 5. *Mihi:* why dative?

#### ENTRANCE EXAMINATION IN MATHEMATICS.

Mathematics is required for every degree offered by the University.

The entrance examinations in Mathematics are required of all students wishing to take Philosophy or Political Science.

Applicants for the Freshman Class in Mathematics will be examined in the following: *Arithmetic*, including proportion, decimals, interest, discount, and the Metric System; *Algebra*, including theory of operations, radicals, fractional and negative exponents, simple and quadratic equations involving two unknown quantities, indeterminate equations of the first degree; *Plane Geometry*, covering the subjects included in the first six books of Halsted's *Geometry*.

#### SPECIMEN PAPER OF ENTRANCE EXAMINATION IN MATHEMATICS.

##### I. ARITHMETIC.

1. Retaining the essential principles of our common method of notation, express the number *two hundred and sixty-eight* on the bases *six*, *twelve*, and *sixteen* respectively, employing the letters of the English alphabet in order where more than nine digit figures are required.

2. How many kilolitres of air in a room 6.3 m. long, 5.7 m. wide, 4 m. high? How many kilogrammes would this air weigh, its sp. g. being 0.00128?

3. At what price must 3 per cent bonds be bought, if the investment is to yield  $3\frac{1}{2}$  per cent interest?

4. Find the (true) discount on \$1800, due in 6 months, if 6 per cent *per annum* is the rate of interest.

5. What premium on gold would show that silver was passing simply at its mercantile value of say 33 cents (gold) for a silver dollar?

## II. ALGEBRA.

The applicant may answer any five of the following:

1. State the associative, commutative, distributive, and index laws.

2. Simplify:  $(a^{-\frac{3}{2}}x^{\frac{1}{2}}/x^{-1}a)^{-2} / (x^{-\frac{3}{2}}/a^{-1})^{\frac{1}{2}}$ .

3. A man has  $a$  hours at his disposal; how far may he ride in a coach that travels  $b$  miles an hour, so as to return home just in time, walking back at the rate of  $c$  miles an hour?

4.  $(x+1)^{\frac{1}{2}} + (x-1)^{\frac{1}{2}} = 1$ .

5. Solve for  $x$ :  $(x^2 - 2ax - 2bx + 2cx - 2ac - 2bc + c^2 = 0$ .

6. Form an equation whose roots are  $(a+b)$  and  $(a-b)$ .

## III. GEOMETRY.

The applicant may answer any five of the following:

1. From the common notion "solid" as a starting point, define *surface* and *line*. Define *plane*, *straight line*, and *angle*. (Do not use the terms "distance" or "direction.") Illustrate your definition of *angle* by pointing out the four angles of a biradial (a figure consisting of two rays from the same point).

2. State the conditions of congruence of two triangles.

3. Define an incommensurable ratio. Distinguish a ratio from a fraction. Prove the side and diagonal of a square incommensurable.

4. If an angle bisector is a median, the triangle is isosceles.

5. Prove the proposition about two triangles having two sides and an opposite angle in each respectively equal.

6. To draw a common tangent to two given circles.

7. A point without a circle and its chord of contact, divide harmonically any chord whose straight contains the point.

8. What is the magnitude of an angle of a regular deca-gon?—of an exterior angle? (Do not mention *degrees*.)

9. Prove: The medians of a triangle concur in that trisection point of each remote from its vertex.

10. Divide a sect internally and externally in a given ratio.

#### ENTRANCE EXAMINATION IN FRENCH AND GERMAN.

Candidates for the B. Lit. degree that do not elect an Ancient Language must take an entrance examination in French and German, covering courses 1 in these subjects (see "School of Teutonic Languages" and "School of Romance Languages"). These courses require a knowledge of the forms, and the ability to translate simple prose. If, however, candidates for the B. Lit. degree are not prepared to stand these examinations on entering the University, they may make up this deficiency afterwards under the supervision of the professors concerned.

#### SPECIMEN PAPER OF ENTRANCE EXAMINATION IN FRENCH.

1. Give the conjugation of *avoir*.
2. Give the conjugation of *être*.
3. Give the feminine of each of the following adjectives.

tives: Actif, heureux, cher, pareil, bon, pret, grec, sec, doux, faux.

4. Give the present, pret<sup>erit</sup>, present subjunctive, and past subjunctive of parler, punir, attendre.

5. Give the present tense of jeter, acheter, espérer, placer, manger.

6. Translate into French: (a) It is he, it is not I. (b) She is younger than he. (c) A good action has its reward in itself. (d) To whom have you written, to him or to her? (e) Do not speak of yourself, speak of him.

7. Translate into French: (a) Bring them there today, if you please. (b) At what price will he sell them to you? (c) Are these your friends? present me to them. (d) We will dine with you.

8. Translate into French: (a) These pens are mine, but I will give you one. (b) To each one his own. (c) The houses of the ancients were different from our own. (d) When he died I closed his eyes. (e) Which of those houses do you prefer? (f) I prefer this one, which has the large white windows.

9. Translate into French: (a) One must write. (b) I had to go. (c) It was cold. (d) Do you want anything? (e) Passing before the church, I saw the minister. (f) Do you doubt that he is my friend? (g) Take care lest the rain surprise you.

10. Give the present tense of the following verbs: aller, boire, confire, courier, écrire, mentir.

11. Give the preterit tense of the following verbs: acquérir, coudre, croire, joindre, naître, valoir.

12. Give the present and past subjunctive of the following verbs: pouvoir, falloir, mou dre, suivre.

13. Translate from Joyne's Fairy Tales, Le Chate Botté, lines 1-17.

## SPECIMEN PAPER OF ENTRANCE EXAMINATION IN GERMAN.

1. Decline the following: dieser junge Graf, ein schöner Garten, jenes gute Kind, dos grosse Gemälde, welcher alte Offizier.

2. Give the present, past, and future tenses, indicative and subjunctive, of haben and sein.

3. Compare the following adjectives: edel, heiter, alt, gut, viel, hoch.

4. (a) Name the prepositions that always govern the dative case.

(b) Name the prepositions that always govern the accusative case.

5. Give the principal parts of the following verbs: liegen, sitzen, stehen, reiten, setzen, legen, bersten, bieten, denken, dürfen, essen, geben, graben, hauen, kennen, lassen, lügen, nehmen, scheiden, schleichen, sehen, sterben, reden, handeln.

6. (a) Give the present tense of dürfen, müssen, brechen, lesen.

(b) Give the present tense of erschrecken, anfangen.

7. Translate into German:

(a) My friend has moved to the next street.

(b) We rise every morning at half past six.

(c) As he could not come, he wrote me a long letter.

(d) His strong faith in God comforted and strengthened his last hours.

(e) We can seize with the hand many things which we can not comprehend.

(f) Please shut the door and open the windows.

(g) The matter had entirely vanished from my memory.

(h) You are wrong, sir, to give me such an answer.

8. Translate from Brandt's Reader, Versalzen, page 164, lines 1-19.



TIME OF REGULAR ENTRANCE EXAMINATIONS.

The session of 1896-97 will begin Wednesday, September 23, 1896, and the regular Entrance Examinations will be held as follows:

Examination in English, Thursday, September 24, 9 a. m. to 12 m.

Examination in Mathematics, Thursday, September 24, 2 p. m. to 5 p. m.

Examination in Latin, Friday, September 25, 9 a. m. to 12 m.

Examination in History, Friday, September 25, 2 p. m. to 5 p. m.

Examination in German, Saturday, September 26, 10 a. m. to 12 m.

Examination in French, Saturday, September 26, 2 p. m. to 5 p. m.

Entrance Examinations will be held again in English and Mathematics on Saturday, September 26, at the hours indicated above, and in Latin and History when the Professors may elect.

ENTRANCE EXAMINATIONS AT OTHER PLACES  
THAN AUSTIN.

For the benefit of applicants the Affiliated Schools have been made centers at which entrance examinations will be held under the following rules and regulations:

1. Not later than the second Wednesday in May the Proctor will send under seal Entrance Examination Questions to all Affiliated Schools.

2. The Entrance Examinations, after being duly advertised, will be held on the fourth Wednesday in May at such place and hour as may be convenient.

3. Each applicant upon entering the examination shall pay a fee of three dollars to the Examiner.

4. The Examiner shall open the envelope containing the questions in the presence of the applicants.

5. The answers shall be written with ink, on legal cap paper, on one side only; and the paper shall close with a pledge that no aid was given or received.

6. The examination in any one subject shall not continue longer than three hours.

7. The Examiner shall forward the papers to the Proctor, together with a certificate that the examination has been conducted fairly and in accordance with these rules.

#### ENTRANCE WITHOUT EXAMINATION FROM AFFILIATED HIGH SCHOOLS.

The graduates of approved High Schools will be admitted to the University without examination, provided they have reached the required age, and provided they present themselves for admission within a year after their graduation from the High School.

The following have already been approved, and are now affiliated with the University:

NOTE.—The letters used are the initials of the subjects in which affiliation may exist, viz.: English, History, Mathematics, Latin, and Greek.

Name.	Extent of Affiliation.
Abilene High School.....	Unclassified.
Austin High School .....	E., H., M., L.
Ball High School.....	E., H., M., L., G.
Belton High School .....	Unclassified.
Belton Male Academy.....	E., H., M., L., G.
Blanco High School .....	Unclassified.
Bonham High School.....	E., H., M., L.
Brackett High School.....	E., H., M., L.

Name.	Extent of Affiliation.
Brenham High School.....	E., H., M., L.
Bryan High School.....	E., M.
Calvert High School.....	E., H., M.
Cameron High School.....	E., L.
Centenary College.....	E., H., M.
Cleburne High School.....	E., H., M.
Cole's Select School.....	E., H., M.
Columbia High School.....	E., H., M., L., G.
Columbus High School.....	E., H., M.
Coronal Institute.....	E., H., M., L.
Corpus Christi High School.....	E., H., M.
Corsicana High School.....	E., H., M., L.
Dallas High School.....	E., H., M.
Denton High School.....	E., H., M.
Dublin High School.....	E., M., L.
El Paso High School.....	Unclassified.
Ennis High School.....	E., H., M.
Flatonina High School.....	E., H., M.
Fort Smith High School.....	E., H., M., L.
Fort Worth High School.....	E., H., M.
Franklin College.....	E., H., M., L., G.
Gainesville High School.....	E., H., M., L.
Gonzales High School.....	E., H., M., L.
Granbury High School.....	E., H., M., L.
Grayson College.....	E., H., M., L., G.
Hempstead High School.....	E., H., M.
Houston High School.....	E., H., M., L., G.
Institute for the Blind.....	E., H., M.
La Grange High School.....	Unclassified.
Laredo High School.....	E., H., M.
Luling High School.....	E., H., M., L.
Marmaduke Military Academy.....	E., H., M., L., G.
Mexia High School.....	E., H., M., L.

Name.	Extent of Affiliation.
Mineola High School .....	E., H., M.
Navasota High School .....	E., H., M., L.
Orange High School .....	E., H., M.
Palestine High School .....	E., H., M., L.
Paris High School .....	E., H., M., L.
Rockdale High School .....	E., H., M.
San Antonio Academy .....	E., H., M., L., G.
San Antonio High School .....	E., H., M., L.
Staunton Military Academy .....	E., H., M., L., G.
Summer Hill Select School .....	E., H., M., L., G.
Taylor High School .....	E., H., M., L.
Temple High School .....	E., M., L.
Terrell High School .....	E., H., L.
Thomas Arnold High School .....	E., H., M., L., G.
Tyler High School .....	E., H., M.
University Academy .....	E., H., M., L., G.
University Preparatory School .....	E., H., M., L., G.
Vernon High School .....	E. H. M.
Waco High School .....	E., H., M., L., G.
Waxahachie High School .....	Unclassified.
Weatherford High School .....	Unclassified.

#### ENTRANCE WITHOUT EXAMINATION FROM OTHER STATE INSTITUTIONS.

Graduates of the Sam Houston Normal, of the Agricultural and Mechanical College, and holders of first-grade State certificates, will be admitted to the University of Texas on the same footing as graduates of approved High Schools, and will be allowed to apply for advanced standing under the conditions expressed in the Catalogue.

REGULATIONS GOVERNING THE APPROVAL OF HIGH SCHOOLS FOR ADMISSION OF STUDENTS WITHOUT EXAMINATION.

The Regents and Faculty desire to bring the University in close relation with the high schools of the State, so that students can pass from the latter to the former with no preceptible break in the course of study. The privilege of affiliation with the University, by which graduates of these schools can enter it on their diplomas, is, therefore, offered on the following conditions:

1. When the authorities of any school desire affiliation with the University, they will make a formal application to the President *ad interim*, giving the course of study, number of teachers, and such information in regard to the apparatus, appliances, etc., as may serve to give a fair idea of the general efficiency of the school.

2. If this information is satisfactory, a committee of the Faculty will be appointed to visit the school. But if the school can not be conveniently reached from Austin, the Faculty may designate other persons to act as a committee of inspection.

3. The necessary traveling expenses of the visiting committee will be paid by the University.

4. If the Faculty shall be satisfied by the report of the committee that the school should be affiliated, the authorities will be duly notified, and the name of the school will be entered upon the list of those affiliated. This list will be published in the Catalogue of the University.

5. Approved schools shall be entitled to send their graduates to the University on diploma so long as the Faculty are satisfied that no material changes affecting the efficiency of the school have taken place. The Faculty will make new inspections from time to time, and reserve the right to

terminate the privilege when to them such course seems proper.

6. Complete affiliation will include the subjects in which entrance examinations are held at the University, viz.: English, History, Mathematics, Latin, and Greek. But affiliation in each of these subjects is independent of affiliation in any of the others, and the privilege of entering the University on the diploma of any particular high school may extend to English alone, or to this and any one or more of the other four subjects.

7. It is expected that the principal or superintendent of every approved school will send to the President *ad interim* a copy of each of his annual reports or catalogues. In return, the school will be furnished regularly with the Catalogue of the University.

8. The privilege of affiliation in Latin and Greek is based upon the following conditions: (1) The same requirements in the matter of grades, examinations, and promotions from class to class in those subjects, shall be insisted upon as are exacted in other subjects in which affiliation is accorded. (2) If these subjects be not required in the high school's course, its diploma must contain mention of the fact when they have been satisfactorily completed.

### HIGH SCHOOL SCHOLARSHIPS.

The Board of Regents offers annually a scholarship in the Department of Literature, Science, and Arts, carrying with it exemption from all matriculation or tuition fees, to that graduate of each affiliated high school who has the highest standing in his class.

## ADVANCED STANDING.

Students applying for advanced standing in any school must satisfy the Professor (by examination or otherwise in his discretion) that they have accomplished the work in the undertaken courses which they wish to count for graduation, or which may be prerequisite to the course to which they wish to be admitted.

## FEES AND EXPENSES.

In the Department of Literature, Science, and Arts each student will pay to the Proctor, at the beginning of each session, an annual fee of \$10.

Students who work in a laboratory will pay to the University the cost of the material they use.

A contingent deposit of \$5 will be required of every student. This deposit shall be paid to the Librarian, and shall be subject to charges to pay fines assessed against the depositor, or to pay for books lost or injured by him. In case there are no such charges, the entire deposit will be returned to the student at the end of the session, or upon his withdrawal from the University. In case there are such charges the balance will be returned, and in case the deposit is exhausted before the end of the session the student will be required to renew it.

Board, with furnished room, can be obtained in the city of Austin, and near the University, at prices varying from \$13 to \$20 per month in private families.

In Brackenridge Hall the cost of living, including everything, has been reduced to about \$13 per month. In assigning rooms, preference will be given to the Academic students; first to Seniors, next to Juniors, next to Sopho-

mores, and lastly to Freshmen. Any rooms that may be left vacant after the accommodation of the Academic students will be thrown open to the Law Students.

### SYSTEM OF INSTRUCTION.

The System of Instruction adopted by the University is that known as the Course System. A full course occupies three hours weekly throughout the scholastic year. The recognized fractional courses are the two-thirds course and the one-third course; the proper sum of these is always the equivalent of a full course. Some of these courses are prescribed, while others are elective. In regard to the order in which students shall take up courses, there are no general requirements, but in each school the Professor designates which courses, whether in his own school or in other schools, necessarily precede others that he offers (*vide* Instruction by Schools). The courses offered are of three kinds: those designed only for undergraduates; those open to advanced undergraduates and to graduates; and those open only to graduate students. The equivalent of five full courses is the normal amount for a student to undertake; and, without special permission of the Faculty, no student is allowed to take up less than the equivalent of four full courses or more than that of six.

The four undergraduate classes—Freshman, Sophomore, Junior, Senior—are retained, and serve to designate the amount of academic work which the student has completed. From matriculation to the satisfactory completion of five full courses, a student is classed as Freshman; from the satisfactory completion of five full courses to that of ten, as Sophomore; from that of ten to that of fifteen, as Junior; from that of fifteen until graduation, as Senior.



## DEGREES.

The University of Texas confers the following degrees: Bachelor of Arts (B. A.), Bachelor of Literature (B. Lit.), Bachelor of Science (B. S.), Master of Arts (M. A.), and Master of Science (M. S.), all in the Department of Literature, Science, and Arts; and the usual professional degrees, for which see the Departments of Engineering, Law, and Medicine. The requirements for the various academic degrees are given in the groups below:

### REQUIREMENTS FOR THE BACCALAUREATE DEGREES.

#### GROUPS OF COURSES LEADING TO BACCALAUREATE DEGREES.

##### I.

##### *Group Leading to the Degree of Bachelor of Arts.*

For this degree twenty full courses are required, distributed as follows:

Three full courses in English.

Five full courses divided between Latin and Greek, not less than two in each.

Two full courses in one Modern Language.

One full course in History.

One full course in Philosophy.

One full course in Political Science.

One and one-third full courses in Pure Mathematics.

One full course in one Natural Science.

The remaining four and two-thirds courses are elective.

## II.

*Group Leading to the Degree of Bachelor of Literature.\**

For this degree twenty full courses are required, distributed as follows:

Three full courses in English.

Three full courses in one Modern Language.

Two full courses in one Ancient Language or in a second Modern Language.

Four full courses divided among History, Philosophy and Political Science, not less than one in each.

One and one-third full courses in Pure Mathematics.

One full course in one Natural Science.

The remaining five and two-thirds courses are elective.

## III.

*Group Leading to the Degree of Bachelor of Science.*

For this degree twenty full courses are required, distributed as follows:

Three full courses in English.

Two full courses in one Modern Language.

Two full courses in Pure Mathematics.

One full course in History, Philosophy, or Political Science.

Seven full courses in the Natural Sciences.

The remaining five courses are elective.

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\*Candidates for the B. Lit. degree that do not elect an Ancient Language must take an entrance examination in French and in German, covering courses 1 in these subjects as offered in the University.

REQUIREMENTS FOR THE MASTER DEGREES.

I. MASTER OF ARTS.

For the degree of Master of Arts the requirements are as follows:

1. A prior degree of Bachelor of Arts or Bachelor of Literature of the University of Texas or of another institution, provided that in the latter case the Faculty must be satisfied that the courses pursued by the candidate are equivalent to those required at the University of Texas.

2. The satisfactory completion of five full courses of graduate instruction pursued for at least one academic year at the University of Texas. Of these five courses at least two and not more than three shall be selected from some one school (major subject).

3. An approved thesis in the major subject.

II. MASTER OF SCIENCE.

For the degree of Master of Science the requirements are as follows:

1. A prior degree of Bachelor of Science of the University of Texas or of another institution, provided that in the latter case the Faculty must be satisfied that the courses pursued are equivalent to those required by the University of Texas.

2. The satisfactory completion of five full courses of graduate instruction, pursued for at least one academic year at the University of Texas. Of these five courses at least two and not more than three shall be selected from some one school of Science (major subject).

3. An approved thesis in the major subject.

Every candidate for a Master's degree must communicate to the President *ad interim* the title of his proposed thesis on or before the first Monday in March of the year in which he intends to present himself for final examination, and must hand to the President *ad interim* a fair copy of his thesis on or before the first Monday in May. No candidate will be admitted to final examination till his thesis has been approved by a committee appointed by the Faculty. After such approval, and as early as the first Monday in June, the thesis, with a certificate of approval signed by such members of the committee as have been specially designated for its examination, will be deposited in the Library for public inspection until after Commencement Day.

A successful candidate for a Master's degree is allowed to print his thesis as one accepted for the degree, with the signed certificate of approval; and either a printed or a written copy of the thesis and the signed certificate must be permanently deposited in the Library and remain open to public inspection.

The major subject offered by the candidate and the title of his thesis will be named in the Commencement programme and in the next following Annual Catalogue.

#### CONFERRING DEGREES.

Degrees will be conferred publicly on Commencement Day.

No Honorary Degrees will be conferred by the University of Texas.

No degree will be conferred without a residence of at least one year at the University.

## MISCELLANEOUS.

## SPECIAL STUDENTS.

Any person who wishes to work in one of the laboratories, or to attend some course of lectures, without a view to graduation, is allowed to matriculate as a Special Student, if, in the opinion of the President *ad interim*, his age and advancement justify the belief that he will profit by this privilege. Every applicant for admission as a Special Student is required to pass the entrance examination in English, and to satisfy the Professor or Professors concerned, by written examination or otherwise, that he can profitably pursue the special studies selected. The Faculty reserves the right to deprive a Special Student of his privilege at any time.

## CHANGE OF GROUP OF COURSES.

No student, after his name is enrolled, can change his group of courses without the specific permission of the Faculty. In order to obtain this, a written petition, addressed to the President *ad interim*, must be handed to the Proctor. In it the reason for the desired change must be fully stated, and, unless the student is over age, the parent's or guardian's consent must, if practicable, be indicated. The permission is void, if the applicant has acted upon it before its official announcement.

## ATTENDANCE.

Uniform and punctual attendance upon all the exercises of the University at which the student is due is strictly required. Students absent from any exercise of the Univer-

sity at which they are due must present their excuses to the President *ad interim* not later than the day after their return to their classes.

#### METHOD OF GRADING.

The standing of a student in each of his courses is determined at the end of the course by the Professor, and is expressed by the word "satisfactory" for those who pass, and by the word "unsatisfactory" for those who fail.

In each case of failure, notice shall be sent by the Secretary of the Faculty to the parent or guardian.

Every student is required to satisfy the instructor in each of his courses, in such way as the instructor may determine, that he is performing the work in a satisfactory manner.

Every instructor may report to the President *ad interim* in writing, on the first Tuesday of each month, the names of any students who have not satisfied him that they are doing their work satisfactorily.

Any Professor in charge of a school, with the approval of the Faculty, may exclude from a course of his school a student who in his judgment has neglected the work of the course. Such exclusion shall be reported by the Secretary of the Faculty to the parent or guardian.

In order to be recommended for the degree of Bachelor of Arts, Literature, or Science, a student must have passed in all prescribed and elective courses.

Any student who has not complied with the requirements for a Bachelor's degree before the end of his regular University Course may be recommended for a degree in a subsequent year, provided he has made up all deficiencies in his record.

## DISCIPLINE.

The students are trusted to conduct themselves properly. If, however, it becomes apparent that any student by misconduct or by neglect of studies is doing harm to himself or to others, the Faculty will use all appropriate means of discipline. Among these means the Faculty will exercise the authority to impose the following penalties: admonition, probation, dismission, and expulsion. Admonition will be given to the student by the President *ad interim*. Probation will be for a definite time during which the student, while still in attendance upon his classes, must show a marked improvement in conduct or in studies or in both. Dismission closes a student's connection with the University without necessarily precluding his return. Expulsion is the highest censure, and is a final separation from the University. No student, however, shall be dismissed or expelled from the University except by a vote of at least two-thirds of the members of the Faculty present. Due notice of any penalty will be given to the parent or guardian by the Secretary of the Faculty. The above penalties will not necessarily be inflicted in regular gradation, but the Faculty will exercise the discretion of imposing any of these penalties at any time.

## COEDUCATION.

The statute under which the University was organized states that "it shall be open to all persons in the State who may wish to avail themselves of its advantages, and to male and female on equal terms." In compliance with the spirit of this act of the Legislature, no provision for the instruction of young women apart from young men has been made. The two sexes are taught the same subjects by the same

professors at the same time, and the requirements for admission and for graduation are equally rigorous. In no respect are the young women considered as constituting a separate department of the University or a separable annex whose connection is fortuitous and experimental, and no distinction between them and the young men either in discipline or instruction is recognized. No restrictions other than those prevailing in good society are placed upon the sexes with reference to their association with each other.

But young women, in order to have equal advantages with young men, are entitled to the presence in the Faculty of a lady of culture and refinement, whose example and precept will exercise the same restraining influence to which young women in good society are subjected. They are also entitled to expect some one in the Faculty who will advise them in the selection of proper boarding houses and comfortable rooms; who can visit them when they are sick and see that they are properly nursed and cared for. The Regents in the appointment of Mrs. Kirby as Lady Assistant have fully met all such reasonable expectations. Young women can enter this University with the full assurance that they will receive the benefits of its instruction on equal terms with young men.

#### ADVISERS.

At the beginning of the session the President *ad interim* assigns each student of the Department of Literature, Science, and Arts, and the Department of Engineering, to one of his principal instructors, who will act as his Adviser. Each student is cordially invited to consult his Adviser concerning his studies and all other matters affecting his relations to the University; and no student is allowed to discontinue any study without the written consent of his Adviser.



## FELLOWSHIPS.

The University, permanently established and supported by the State, offers its privileges free of charge for tuition. The Regents, wishing to help meritorious students, have established a number of Fellowships, open to graduates of the Department of Literature, Science, and Arts, and of the Department of Engineering, each yielding \$300 a year. The Fellowships are filled in accordance with the following regulations of the Board of Regents:

1. The following Fellowships are hereby created: One Fellowship in Physics; one Fellowship in Biology; and one Fellowship in Geology.

2. These Fellowships are open only to the Graduates of the Department of Literature, Science, and Arts, and the Department of Engineering, who shall wish to pursue graduate or professional studies.

3. The holder of a Fellowship shall be entitled a Fellow, and shall be paid a salary of \$300.

4. A Fellow shall be appointed only for the year succeeding his graduation.

5. A Fellowship shall be conferred by the Regents upon the nomination of the Professor in charge of the school to which a Fellow has been assigned, and upon the recommendation of the Faculty.

6. In making nominations for Fellowships preference shall always be given to Distinguished Students in the respective schools.

7. Publication shall be made on Commencement Day of the Fellows appointed for the next scholastic year.

8. The duties of the Fellows shall be two-fold: They shall assist the Professors in charge of the schools to which they have been assigned, and they shall pursue graduate or

professional studies in any school of the University to which they may be admitted.

9. As assistants, Fellows shall be under the direction and control of the Professors in charge of their respective schools, and shall devote at least four hours of lecture-room work per week to this duty.

10. As graduate or professional students, Fellows shall devote at least twelve hours of lecture-room work per week to graduate or professional studies.

11. The names and the titles of the Fellows shall be published in the Annual Catalogue of the University, immediately after the names of the members of the Faculty.

12. If in the judgment of the Faculty it is deemed inadvisable to fill any Fellowship for any session, a Student Assistant shall be appointed instead of a Fellow. The rules that apply to Fellows, with the exceptions of 2, 4, and 6, shall, *mutatis mutandis*, apply to Student Assistants.

#### SESSION AND TERMS.

The Session begins on the fourth Wednesday in September and closes on the third Wednesday in June. It is divided into three Terms, called respectively Fall, Winter, and Spring Terms. The Fall term begins with the Session and closes on the 23d day of December. The Winter Term begins one week after the close of the Fall Term and ends on the third Saturday in March. The Spring Term begins on the Monday next following the third Saturday in March and closes with the Session.

#### EXAMINATIONS.

Six days before the close of the Fall Term, an examination, called the Fall Examination, begins. One week before the close of the Winter Term, an examination, called the

Winter Examination, begins; and one week before the close of the Spring Term the Final Examination begins. Each covers the subjects studied during the term. The *Final Examination* in a course may include some of the subjects studied during the other terms. These examinations are conducted in writing, but in some subjects are partly oral. The student adds to his paper of answers a written pledge, upon his honor, that he has neither received nor given aid.

Partial examinations, or written recitations, are held at irregular intervals, generally once a month, as the Professor in charge of the instruction may determine.

Absence from a general examination, except for reasons of absolute necessity, will be regarded as a serious delinquency. When a student from any cause is absent, a subsequent examination can be granted only by a vote of the Faculty.



## COURSES OF INSTRUCTION BY SCHOOLS.

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The figure opposite a course indicates the number of lecture hours that are occupied by it every week. Three hours of laboratory or seminary work are equivalent to one lecture hour. Unless otherwise stated, the course continues throughout the year.

### SCHOOL OF BIOLOGY.

PROFESSOR NORMAN.

\* STUDENT ASSISTANT OLDRICHT.

FELLOW BROWN.

*For Undergraduates.*

#### BIOLOGY:

1. *General Biology (full course).*

Lectures and recitations three hours, laboratory work four hours per week.

TEXT-BOOKS: Parker's Biology; laboratory guide, Marshall and Hurst's Practical Zoology.

An outline of the work is about as follows:

1. A study of the lower forms of life—mostly one-celled organisms, as the rhizopods, infusoria, bacteria, etc.—especially as to their structure, methods of reproduction, necessary food supply, and the special animal or plant characteristics.

2. The relation of these lower forms to the higher animals and plants.

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\* Deceased.

3. A study of representatives of the principal groups of animals. The following form a partial list: Hydra, Hydroids, sea-anemone, earthworm, star-fish, mussel, snail, crayfish, insect, fish, lizard.

The aims are twofold:

1. To get a general biological knowledge.
2. To learn in a practical way how to use the necessary apparatus—to learn how to dissect—and to prepare material for microscopic study, and such other technic as the work in hand may require.

This course is prerequisite to any of the following:

*Course 2 (full course).*

Anatomy, Histology, and Physiology—chiefly of the mammals.

Books: Piersol's Normal Histology, Schaefer's Essentials of Histology, Foster and Langley's Practical Physiology, Martin's Human Body, Foster's Physiology.

*Course 3 (one-third course).*

A study of microscopic organisms commonly found in the streams and ponds. Also some practical work in water-analysis and in preparing bacteriological cultures.

This course is offered primarily for students in Sanitary Engineering, but is also open to others.

*For Undergraduates and Graduates.*

*Course 4.*

The Development, Histology, and Physiology of some particular Group of Organs of the Vertebrates. (Full course.)

The particular group to be studied will be deter-

mined when the class is organized. Open to those who have had Courses 1 and 2.

*Course 5.*

Advanced work in Histology and Physiology. Open only to those who have had Course 4.

*Course 6 (full course.)*

Advanced Zoology. The work will be limited to a single group of animals.

This course is offered for those students who have taken Course 1 and prefer to continue in Zoology rather than to take up the histology and physiology of the mammals.

The courses for students of Sanitary Engineering are 1 and 3.

## SCHOOL OF CHEMISTRY.

PROFESSOR HARPER.

TUTOR SCHOCH.

Course 1 in Chemistry and Course 1 in Mathematics are prerequisite to all other courses in this School; Courses 1 and 2, or 1 and 3, to Courses 4 and 5; Course 4 to Course 6.

In all courses the right is reserved to substitute, at any time, one hour of class-room work for three hours of laboratory work, and *vice versa*.

*For Undergraduates.*

CHEMISTRY:

1. *Elementary Inorganic Chemistry (full course).*
- 3.

Two lectures or recitations and three laboratory hours each week.

Dr. HARPER and Mr. SCHOCH.

**CHEMISTRY:**

This course is designed to give to students a definite idea of the fundamental principles of Chemistry, and not to overburden their minds with a mass of unconnected facts. The relations of Chemistry to Physics, the laws of chemical combination by weight and volume, the atomic theory, the chemical nomenclature and symbols now in use, and a description of the elements and their more important compounds, will be considered in their proper order in the lectures. The laboratory work embraces individual instruction in the technique of glass for the purpose of constructing and mending glassware used in chemical manipulations, experimental preparation and study of the gases, synthetical preparation and analytical reactions of the more important compounds of the elements, and a short course in qualitative analysis.

**TEXT-BOOKS:** Long's Experimental and Analytical Chemistry, Notes of the Professor's Lectures; Roscoe's Elementary Chemistry; Noyes' Elements of Qualitative Analysis.

2. *General Inorganic Chemistry (full course).* 3.

Two lectures or recitations and three laboratory hours each week.

Dr. HARPER and Mr. SCHOCH.

This course is supplemental to Course 1. It begins with the atomic theory and includes a systematic treatment of the principles of general Chemistry in the light of the present day.

**TEXT-BOOKS:** Freer's General Inorganic Chemistry; Remsen's Chemistry (advanced course). For reference: The Principles of Chemistry by D. Mendeléeff.



CHEMISTRY:

3. *Qualitative Analysis (full course).* 3.  
Nine laboratory hours a week.

Mr. SCHUCH.

Chiefly laboratory work. The instructor may at any time substitute one hour of class-room work for three hours of laboratory work.

Fresenius' Qualitative Analysis.

4. *Quantitative Analysis (full course).* 3.  
Nine laboratory hours a week.

Mr. SCHUCH.

Chiefly laboratory work. The instructor may at any time substitute one hour of class-room work for three hours of laboratory work.

Cairn's Quantitative Analysis.

*For Undergraduates and Graduates.*

5. *Organic Chemistry (full course).* 3.  
Two lectures or recitations and three laboratory hours a week.

Dr. HARPER.

This course embraces lectures and recitations upon the theories of Organic Chemistry and the properties of the more important compounds, and laboratory exercises in the methods of preparing and recognizing pure substances.

Remsen's Organic Chemistry; Richter's Organic Chemistry; Orndorff's Laboratory Manual.

6. *Quantitative Analysis (full course).* 3.  
Nine laboratory hours a week.

Dr. HARPER.

Chiefly laboratory work in volumetric and gravi-

## CHEMISTRY:

metric analysis. The right is reserved to substitute one hour of class-room work for three hours of laboratory work at any time.

Fresenius' Quantitative Analysis; select methods from various authors.

6a. *Industrial Chemistry (full course).* 3.

Two lectures or recitations and three laboratory hours each week.

Dr. HARPER.

This course offers instruction in the chemical principles and processes concerned in the formation and deposition of metalliferous minerals within the earth's crust, and in the more important arts and manufactures. Raw materials and their conversion into finished products are discussed in detail, and the lectures are supplemented with appropriate laboratory exercises.

TEXT-BOOKS: Notes of the Professor's Lectures; Wagner's Chemical Technology (Crookes' translation); Sadtler's Industrial Organic Chemistry; Fresenius' Qualitative Analysis; Cairn's Quantitative Analysis; Nason's Blowpipe Analysis.

7. *Assaying (one-third course).* 1.

Three laboratory hours a week.

Dr. HARPER.

*For Graduates.*

8. *Physiological Chemistry (full course).* 3.

Dr. HARPER.

This course is designed for graduate students who contemplate the study of medicine. It includes ad-

CHEMISTRY:

vanced reading and discussions of the chemistry of physiological and pathological topics, and research work in the laboratory.

9. *Pharmaceutical Chemistry (full course)*. 3.

Dr. HARPER.

This course offers instruction to graduate students who contemplate the study of pharmacy. It embraces advanced reading and discussions of the chemistry of pharmaceutical preparations, and research work in the laboratory along the line of proximate and ultimate analysis.

10. *Advanced Inorganic Chemistry and Chemical Physics (full course)*. 3.

Dr. HARPER.

Reading, discussions, and research work in the laboratory. Courses 4 and 5 in Mathematics prerequisite to the course in Physical Chemistry.

SCHOOL OF ENGLISH.

PROFESSOR WAGGENER.

ASSOCIATE PROFESSOR CALLAWAY.

ADJUNCT PROFESSOR HAMBERLIN.

Courses 1 and 2 may be taken contemporaneously; both are requisite for admission to any of the other courses in English. Courses 3 and 4 must be taken in the order given. Courses 5 and 6 are offered in alternate years. Courses 5-11 and 13-16 may be taken only as electives, that is, they can not be counted among the English courses prescribed for the baccalaureate degrees.

*For Undergraduates.*

## ENGLISH:

1. *Rhetoric and Composition (two-thirds course).* 2.  
Carpenter's Exercises in Rhetoric and English Composition (advanced course); Essays; Collateral Reading.  
Associate Prof. CALLAWAY and Adjunct Prof. HAMBERLIN.
2. *English Syntax (one-third course).* 1.  
Waggener's Analysis of the Sentence.  
Prof. WAGGENER.
3. *Outline History of English Literature, Caedmon to Tennyson (full course).* 3.  
Lectures; Collateral Reading; Essays.  
Associate Prof. CALLAWAY.
4. *English Literature; Selected Texts (full course).* 3.  
Hale's Longer English Poems; Palgrave's Golden Treasury; Typical Selections from English Prose Writers; Lectures; Essays, chiefly expository.  
Prof. WAGGENER.

*For Undergraduates and Graduates.*

5. *The Beginnings of the English Drama (one-third course).* 1.  
Lectures; Collateral Reading; Essays.  
Associate Prof. CALLAWAY.  
[Not given in 1896-97.]
6. *The Beginnings of the English Novel (one-third course).* 1.  
Lectures; Collateral Reading; Essays.  
Associate Prof. CALLAWAY.
7. *Chaucer and His School (one-third course).* 1.  
Lectures; Collateral Reading.  
Associate Prof. CALLAWAY.

ENGLISH:

8. *Early Scotch Literature (one-third course)*. 1.  
     Browne's Early Scottish Poets; Lectures; Collateral Reading. Associate Prof. CALLAWAY.
9. *Middle English Phonology (one-third course)*. 1.  
     Lectures. Associate Prof. CALLAWAY.
10. *Introductory Course in Old English (two-thirds course)*. 2.  
     Sievers-Cook's Old English Grammar, Bright's Anglo-Saxon Reader, Ten Brink's History of Early English Literature.  
     Associate Prof. CALLAWAY.
11. *Old English Phonology (one-third course)*. 1.  
     Lectures. Associate Prof. CALLAWAY.
12. *English Literature: Masterpieces (full course)*. 3.  
     Elizabethan Drama: Marlowe, Shakespeare, Ben Johnson. Prose writers: Bacon, Milton, Burke, Ruskin. Poets of the Nineteenth Century: Tennyson, Browning, Arnold. Text and Lectures; Essays, chiefly critical.

Prof. WAGGENER.

EXPRESSION.

The end sought in these courses (through lectures on speech, pantomime, and oratorical composition, and exercises in vocal, pantomimic, and mental training) is effective arrangement and delivery of thought. Course 13 is open to applicants approved by the professor, the entrance examination being based on the principles of English grammar and rhetoric. Course 14 is open to those that have "passed" Course 13. Course 15 is open to juniors and seniors of the Department of Literature, Sci-

## ENGLISH:

ence, and Arts, and to seniors of the Department of Law. Course 16 is intended for teachers only. Text and reference books will be cited when needed.

13. *Elementary Course (two-thirds course).* 2.

Lectures; Vocal and Pantomimic Exercises; Expressional Analysis of Thought; Reading; Recitation.

Adjunct Prof. HAMBERLIN.

14. *Advanced Course (two-thirds course).* 2.

Lectures; Vocal and Pantomimic Exercises; Expressional Analysis of Thought; Reading; Recitation; Declamation; Impersonation.

Adjunct Prof. HAMBERLIN.

15. *Oratory (full course).* 3.

Lectures; Vocal and Pantomimic Exercises; Preparation and Delivery of Orations.

Prof. WAGGENER and Adjunct Prof. HAMBERLIN.

16. *Teachers' Course (one-third course).* 1.

Lectures; Study of Self; Study of Problems in Teaching Expression.

Adjunct Prof. HAMBERLIN.

## SCHOOL OF GEOLOGY.

PROFESSOR SIMONDS.

STUDENT ASSISTANT McLAUGHLIN.

Course 2 is open to students who have completed Geology 1 and Biology 1. Courses 3-7 are open to those who have completed Geology 1, Chemistry 1, and Physics 1.

*For Undergraduates.*

GEOLOGY:

1. *General Geology, embracing Physiographic, Petrographic, Dynamic, and Structural Geology (full course).* 3.

Lectures; Collateral Reading and Recitations; Geikie's Text-book of Geology (3rd edition), Dana's Manual of Geology (4th edition), Le Conte's Elements of Geology, Winchell's Geological Studies.

2. *Palæontology (full course).* 3.

Fall Term, three lectures and recitations per week, based upon Williams' Geological Biology. Winter and Spring Terms, six hours of laboratory work a week. Students taking this course are expected to give additional time to field work.

3. *Historical Geology (one-third course).* Spring Term, 3.  
Lectures; Dana's Manual of Geology (4th edition).

4. *Mineralogy (full course).* 3.

(a) Elementary Crystallography, Fall Term, three hours a week; (b) Physical and Descriptive Mineralogy, Winter Term, six hours of laboratory work a week; (c) Blowpipe Analysis, Spring Term, six hours of laboratory work a week.

Williams' Crystallography, Dana's Manual of Mineralogy, Crosby's Tables, Elderhorst's (Nason's) Manual of Blowpipe Analysis.

*For Undergraduates and Graduates.*

5. *Economic Geology (one-third course).* Fall Term, 3.  
Tarr's Economic Geology.

6. *Ore Deposits (two-thirds course).*  
Winter and Spring Terms, 3.  
Kemp's Ore Deposits.

## GEOLOGY:

7. *Petrography (one-third course).* Spring Term, 3.  
Laboratory work and conferences.
8. *Mining.* (*See Department of Engineering.*)

## SCHOOL OF GREEK.

## PROFESSOR BATTLE.

The aim of the instruction in the School of Greek is to enable the student to read with pleasure and appreciation the great masterpieces of Greek literature, to realize what the world owes to the Greek people, and to gain as true an insight as possible into the manysidedness of Greek life and thought.

Course A is intended for those who have not passed the entrance examination in Greek. Course 1 is the regular freshman work, Course 2 the sophomore. Courses 3 and 4, given in alternate years, are intended for juniors and seniors. Course A counts as an elective, but not as part of the Greek required for the degree of B. A.

Students in Greek are earnestly advised to take a course in Greek History as early as possible in their University career.

*For Undergraduates.*

## GREEK:

- A. *Beginners' Class (full course).* 5.  
White's Beginner's Greek Book; Goodwin's Grammar; Xenophon's Anabasis.
1. (*Full course.*) 8.  
Xenophon's Anabasis; Thucydides, narrative selections; Lysias; Woodruff's Greek Prose Composition; Goodwin's Grammar.



## GREEK:

2. (*Full course.*) 3.

Homer, *Odyssey*; Demosthenes, *Philippics*; Euripides, *Medea*; Allison's *Greek Prose Composition*; private reading in Jebb's *Homer*.

3. (*Full course.*) 3.

Plato, *Apology*; Homer, *Iliad*; Æschylus, *Prometheus*; Sophocles, *Antigone*; Euripides, *Iphigenia in Tauris*; Aristophanes, *Frogs*; antiquities of the drama; written exercises. [Not given in 1896-97.]

4. (*Full Course.*) 3.

Thucydides, *Sicilian Expedition*; Plato, *Republic*; Selections from the *Lyric Poets*; Æschylus, *Agamemnon*; written work.

*For Graduates.*

5. (*Full course.*) 3.

This course is open only to those who have taken with honor both Courses 3 and 4 or their equivalent. The character of the work will be determined largely by the needs and wishes of the student. In 1894-95 careful study was made of the drama, with reading of representative plays; in 1895-96 the entire *Republic* of Plato is being read, accompanied by the study and discussion of kindred topics. A second graduate course has this year dealt with the private antiquities of the Greeks.

## SCHOOL OF HISTORY.

ASSOCIATE PROFESSOR GARRISON.

TUTOR BUGBEE.

Students intending to take all the courses from 1 to 5 inclusive should follow the order of the numbering. Those who elect Course 2 are advised to take Course 5 or 6 in Greek, and those who elect Course 3 or 4, Course 9 in Latin. As far as practicable the topical method of instruction will be used, and the text-books will be supplemented by collateral reading, especially of the "sources." One feature of the work will consist in geographical exercises with outline maps.

*For Undergraduates.*

## HISTORY:

1. *History of the Ancient East (one-third course).*  
Fall Term, 3.  
Sayce's The Ancient Empires of the East.  
Mr. BUGBEE.
2. *History of Greece (one-third course).* Winter Term, 3.  
Myer's History of Greece; Kiepert's Ancient Atlas.  
Mr. BUGBEE.
3. *History of the Roman Republic (one-third course).*  
Spring Term, 3.  
Allen's History of Rome; Kiepert's Ancient Atlas.  
Mr. BUGBEE.
4. *History of the Roman Empire (one-third course).*  
Fall Term, 3.  
Allen's History of Rome; Emerton's Introduction to the Middle Ages; Kiepert's Ancient Atlas.  
Mr. BUGBEE.

HISTORY:

5. *History of the Middle Ages (two-thirds course).*  
Winter and Spring Terms, 3.  
Emerton's Mediæval Europe.  
Mr. BUGBEE.
6. *History of Modern Europe (two-thirds course).*  
Fall and Winter Terms, 3.  
Lodge's History of Modern Europe.  
Associate Prof. GARRISON.
7. *Mediæval History of England (one-third course).*  
Spring Term, 3.  
Green's Short History of the English People;  
Gardiner's School Atlas of English History.  
Associate Prof. GARRISON.
8. *Modern History of England (one-third course).*  
Fall Term, 3.  
Green's Short History of the English People;  
Gardiner's School Atlas of English History.  
Associate Prof. GARRISON.
9. *History of America (two-thirds course).*  
Winter and Spring Terms, 3.  
Lectures and historical exercises.  
Associate Prof. GARRISON.

*For Graduates and Undergraduates.*

10. *Special Historical Investigation.*

This course is open to students who have completed three full courses in history. The subjects and conditions of the work and the number of hours will be determined to suit the case of each applicant.

## SCHOOL OF LATIN.

PROFESSOR FITZ-HUGH.

FELLOWS CAMERON AND YEISER.

GENERAL EXPLANATION.—The instruction offered presupposes three years of substantial training in reading and writing Latin. The undergraduate work covers four years. It is arranged in two parallel series of courses, one series in literature and one in language. The series in literature (Courses 1, 3, 5, 7) presents in four successive years the four successive stages in the history of Roman culture—the mythico-historical or legendary stage, the historical, the artistic, and the philosophic or reflective stage. Thus the order of study is the order of historic unfolding. The series in language accompanies and supplements the series in literature, and is likewise arranged in four successive courses progressive in difficulty and hence inviolable in order (Courses 2, 4, 6, 8). As elective, either series may be taken and counted apart from the other, but as prescribed, credit is not given in the literary series except in conjunction with the grammatical. Courses 9–13 are offered as supplementary to Course 5 in the third year; of these Course 10 presupposes no knowledge of Latin, and is open to all matriculates. Students are admitted to any course by which they are prepared to profit, but credit for back work is given only on examination. Course 14, the fifth year of Latin work, is seminary instruction, devoted to philological method and research. It is open only to those who have completed the work of the first four years (Courses 1–8) or its equivalent. It presupposes a facile reading knowledge of German. Very important, though

not indispensable, is a good general familiarity with at least one Romance language.

*For Undergraduates.*

LATIN:

I. 1. (*Two-thirds course.*) 2.

(a) A course of Latin reading: Roman Epic Poetry and Legendary History; Virgil's *Æneid*, I, II, IV, VI; Livy, I, II; Ovid's *Fasti*, historical selections arranged chronologically.

Mr. YEISER.

(b) A course of English collateral reading: Classical Geography and Classical Mythology (Kiepert, Seemann), with lectures on the origin and development of the Roman idea of the gods.

Prof. FITZ-HUGH.

(c) The Heroic Hexameter and Elegiac Distich.

Mr. YEISER.

2. (*One-third course.*) 1.

(a) An introductory course in the fundamental principles of Latin Grammar (Gildersleeve), with lectures on Accusative and Infinitive and Subjunctive Dependencies. (b) A course of exercises in Latin Prose Composition.

Prof. FITZ-HUGH.

II. 3. (*Two-thirds course.*) 2.

(a) A second course of Latin Reading: Roman History (from Hannibal to the Empire): Livy XXI, XXII; Sallust's Jugurthine War and Catiline Conspiracy; Tacitus' *Annals* I, II.

Mr. CAMERON.

(b) A second course of English Collateral Reading: The Private and Public Antiquities of the Romans (Wilkins, Preston-Dodge, Gow).

Prof. FITZ-HUGH.

## LATIN:

4. (*One-third course.*) 1.  
(a) A thorough course in Latin Grammar supplementing Course 2. (b) A second course of exercises in Latin Prose Composition.

Prof. FITZ-HUGH.

*For Undergraduates and Graduates.*

[All subsequent courses are conducted by Prof. FITZ-HUGH.]

- III. 5. (*Two-thirds course.*) 2.  
(a) A third course of Latin Reading: Roman Art: The Drama, Plautus' Captivi Duo and Terence's Andria; Lyric Poetry, Catullus and Horace (Odes and Epodes); Elegiac Poetry, Tibullus and Propertius.  
(b) A third course of English Collateral Reading: The History of Roman Literature (Cruttwell).  
(c) The metric forms of Scenic and Lyric Poetry.

6. (*One-third course.*) 1.  
(a) More advanced and specialized studies in Syntax: Peters' Case Relations and Syllabus; Gildersleeve's Grammar. (b) A third course of written exercises in Latin Prose Composition.

- IV. 7. (*Two-thirds course.*) 2.  
(a) A fourth course of Latin Reading: Roman Philosophy: Epicureanism (Lucretius), Eclecticism (Cicero), Stoicism (Seneca).  
(b) A fourth course of Modern Collateral Reading (English and German): The History of Ancient Philosophy, with special reference to Roman Religion and Ethics (Zeller).

## LATIN:

8. (*One-third Course.*) 1.

A course of lectures on the History of the Latin Language, with special stress upon the popular vernacular (folkspeech) and its evolution into the Romance languages.

*Courses Supplementary to Course 5.*9. (*One-third Course.*) 1.

(a) A course of lectures on the History of Roman Metric Art. (b) Practical exercises in metric analysis and scansion.

10. (*One-third Course.*) 1.

(a) A course of lectures on the History of Roman Formative Art:—Architecture, Sculpture, Painting.

*Courses Alternative to Course 5 (a).*11. *Two-thirds.* 2.

(a) A course of Latin reading in Roman Satire (Horace, Persius, Juvenal), or in Roman Rhetoric and Oratory (Cicero, Quintilian), or in Roman Biography (Tacitus, Suetonius.)

*For Graduates.*V. 12. *Full course.* 3.

This course is conducted in the spirit of seminary freedom and originality. Its aim is to study critically and to investigate scientifically the Latin Language and Literature, while introducing the student to the history and methods of Classical Philology.

## SCHOOL OF MATHEMATICS.

PROFESSOR HALSTED.

INSTRUCTOR LEFEVRE.

To be able to prosecute with advantage the study of Mathematics in the University, students should be qualified to pass a satisfactory examination in Arithmetic, including the Metric System, in Algebra through equations of the first and second degree, and in Plane Geometry. If the student wishes to start on terms of equality with the best of his classmates, he should use for final preparation in Plane Geometry either Halsted's Elements of Geometry, or Halsted's Elementary Synthetic Geometry.

*For Undergraduates.*

## MATHEMATICS:

1. (*One and one-third courses.*) 4.

Spherics: Halsted's Elementary Synthetic Geometry, second edition (John Wiley & Sons, New York). Solid Geometry: Halsted's Elements of Geometry, sixth edition (John Wiley & Sons, New York); Halsted's Mensuration, fourth edition (Ginn & Co., Boston). Advanced Algebra: Wells's College Algebra; Lefevre's Number and its Algebra; Halsted's Number Discrete and Continuous. Plane Trigonometry, with its application to surveying and navigation (Wells).

- 2 (*One-third course.*) 1.

Spherical Trigonometry, Modern Geometry, Recent Geometry: Halsted's Elementary Synthetic Geometry, second edition (John Wiley & Sons, New York).



## MATHEMATICS:

3. (*Two-thirds course*). 2.  
 Analytical Geometry (Winter Term): Puckle's  
 Conic Sections; Analytical Geometry (Spring Term).
4. (*Two-thirds course*). 2.  
 Determinants (Weld), Burnside and Panton's  
 Theory of Equations (Fall Term); Byerly's Differ-  
 ential Calculus (Winter and Spring Terms).

*For Undergraduates and Graduates.*

5. (*Full course*). 3.  
 Byerly's Integral Calculus (Fall and Winter  
 Terms); Non-Euclidean Geometry (Spring Term);  
 Halsted's Lobachévski, fourth edition; Halsted's  
 Bolyai, fourth edition.

*For Graduates.*

6. *History of Mathematics (two-thirds course)*. 2.  
 Cajori.
7. *Geometry of Position (two-thirds course)*. 2.  
 Halsted's Pure Projective Geometry. [In "Higher  
 Mathematics for Engineering Colleges," John Wiley  
 & Sons.]
8. *Quaternions (two-thirds course)*. 2.  
 Tait.
9. *Algebra of Logic (two-thirds course)*. 2.  
 Schröder.

In the School of Pure Mathematics special atten-  
 tion is given to the mental discipline of the student.  
 The development of the intellectual powers and the  
 formation and cultivation of correct habits of think-

**MATHEMATICS:**

ing and reasoning are made a paramount object. Prominence is also given to the practical utility of Mathematics and its power as the instrument of scientific research. The solving of special problems, the application of the principles studied, is required of each class. Throughout the school very special attention is given to the historical development of the subject studied, and the students are made aware that mathematics is a living science, advancing more rapidly now than ever before.

**SCHOOL OF APPLIED MATHEMATICS.**

PROFESSOR TAYLOR.

TUTOR GREGORY.

The purely technical part of the instruction in this School is given in the Department of Engineering. Students who are well prepared in Algebra, Geometry, Trigonometry, Conic Sections, and Elementary Calculus are permitted to enter this School.

*For Undergraduates.*

1. *General and Applied Mechanics (full course).* 3.

This course includes the subjects of General Mechanics, Stresses in Simple Framed Structures, Applied Mechanics, Graphical Statics, Hydrostatics, and Hydrodynamics. Text-books: Lectures on General Mechanics, Merriman's Mechanics of Materials, Merriman's Hydraulics.

*For Graduates.*

2. *Analytical Mechanics (full course).* 3.

Students who are applying for a master's degree and who have completed Course 1, and possess an accurate knowledge of the differential and integral calculus are permitted to enter this course. Text-books: Williamson's Dynamics, Routh's Statics and Dynamics. [This course will not be given in 1896-97.]

3. *Analytical Statics (full course).* 3.

SCHOOL OF PEDAGOGY.

PROFESSOR BALDWIN.

The several courses are so arranged as to enable students to take the regular University courses and at the same time prepare themselves for advanced positions in the profession of teaching.

*For Undergraduates.*

PEDAGOGY:

1. *Elementary Pedagogy, Junior Course (full course).* 3.

*School Management* (Fall Term): Lectures, Baldwin's Art of School Management, and plans for organizing Ungraded, Graded, and High Schools. *Applied Psychology* (Winter Term): Lectures and Baldwin's Psychology Applied to the Art of Teaching. *Art of Teaching* (Spring Term): Lectures, Baldwin's Art of Teaching, and Practice Teaching.

*Course 1* is open to all matriculates, but students in this course are required to take Courses 1 and 2 in

## PEDAGOGY:

English, Course 1 in Pure Mathematics, Course 1 in either Geology or Biology, and one full course in History, as conditions of receiving the Elementary Certificate. *Certificates* issued by the School of Pedagogy to students completing the *junior course* shall have the force of a State certificate of the first grade for a period of two years.

2. *Advanced Pedagogy, Senior Course (full course).* 3.

*History of Education*, "How the Nations made Great Men" (Fall Term): Lectures and Pedagogical Library; *Science of Education and Art of Teaching* (Winter Term): Lectures and Original Research; *School Supervision and High School Work* (Spring Term): Lectures; Pedagogical Seminary and Practice.

*Course 2* is open to all who have taken Course 1, or its equivalent, but students in this course are required to take in addition to the requirements for the Elementary Certificate, Course 1 in Philosophy, and Course 1 in either Physics or Chemistry, in order to receive the Advanced Certificate. *Certificates* issued by the School of Pedagogy to students completing the advanced course shall have the force of first-grade State certificates for four years. Courses 1 and 2 constitute the undergraduate courses in Pedagogy. *Diplomas* conferred by the Regents of the University of Texas on students completing some degree course and also the undergraduate course of the School of Pedagogy, shall have the force of permanent State certificates.

*For Undergraduates and Graduates.*

## PEDAGOGY:

3. *Professional Pedagogy (full course).* 3.

*Pedagogical Seminary.*—School Systems compared (Fall Term): Lectures, Pedagogical Library, Reports and Discussions; *Current Educational Methods and Movements* (Winter Term): Lectures, Educational Reports, Educational Journals, and Seminary Work; *Educational Books Reviewed and Educational Theories and Methods Examined and Discussed* (Spring Term): Lectures, Original Work, Reports and Discussions.

*Course 3* is open to graduates of the School of Pedagogy, and to professional teachers who come to the University to devote a year or two to professional work. Professional teachers taking this course are required, in order to secure the Professional Certificate, to pass the entrance examinations in History, Mathematics, and English, and to take Course 1 in Philosophy and such other courses as may be considered best to fit them for their special lines of work. Professional teachers may at their option take also Courses 1 or 2 or both while taking the Professional Course.

*Certificates* issued by the School of Pedagogy to students completing the *professional course*, shall have the force of first-grade State certificates for four years.

*For Graduates.*4. *Special Pedagogy (full course).* 3.

Graduate work will be assigned to meet the wants of individual students preparing for special profes-

## PEDAGOGY:

sional work. Each will report as directed on work assigned. In the Educational Seminary there will be lectures, reports and discussions on topics of interest to all. Each Professor in the University is a specialist in his school, in methods as in subject matter; thus each line of graduate professional work is directed by a master.

*Course 4* is open to graduates of the University and to the graduates of other institutions of equal rank. Graduates of other institutions must pass satisfactory examinations in the undergraduate course in Pedagogy in order to receive the Graduate Certificate.

Certificates issued by the School of Pedagogy to students not graduates of the University completing the *graduate course*, shall have the force of first-grade State certificates for four years. To graduates these are M. A. permanent State certificates.

The School of Pedagogy is the one professional school that readily and profitably blends with the University courses in literature, science, and arts. The courses in Pedagogy, besides their great culture value, are counted of great practical value to all students, whatever may be their vocations in life. The University work is so organized that students who elect Pedagogy may prepare themselves for the profession of teaching while gaining a liberal education.

[In January, 1896, the Regents abolished the professorship of Pedagogy.]

## SCHOOL OF PHILOSOPHY.

### ADJUNCT PROFESSOR MEZES.

Course 1 is intended for Juniors and Seniors, but may be taken by Sophomores of marked maturity or ability. Freshmen will not be admitted. Law students will be admitted to 1c.

For academic students 1a is prerequisite to further work in philosophy. Students required to take one course in philosophy may combine 1a either with 1c or with 1d. Those who have taken 1a may make a full course by combining 1b either with 1c or 1d.

The needs and preference of students will decide whether Course 2 or Course 3 will be given.

### *For Undergraduates and Graduates.*

#### PHILOSOPHY:

- 1a. *Psychology (one-third course).* Fall Term, 3.

Lectures, special reports, and discussions.

This course is intended to acquaint students with the elements of modern Psychology, the text used being James' "Psychology."

Students will get a general knowledge of the nervous system—the "physical basis"—and of the sense organs. Experiments will be made as occasion offers.

During rather more than half of the term Psychology proper will be considered, including such topics as Sensation, Reaction, Suggestion, Imitation, Will, Memory, Personality, etc.

- 1b. *Recent Philosophy (one-third course).* Fall Term, 3.

Lectures, special reports, and discussions.

## PHILOSOPHY:

The purpose of this course is to give students another approach to philosophical problems. Books are constantly appearing that state these problems clearly, forcibly, and in familiar terms, and some students may find such statements more comprehensible.

In 1896 methods, scientific and semi-scientific, of acquiring knowledge, will be discussed. The text-book will be announced later.

- 1c. *Ethics (two-thirds course)*. Winter and Spring Terms, 3.  
Lectures, theses, and discussions.

This course is intended as a reading course. The literature of Ethics is large and very varied, and students will be expected to acquaint themselves with the whole, and to know some one ethical school or writer. Reports and theses will be made at short intervals. In his lectures the professor will give a systematic and connected view of the subject. Among the topics discussed will be "conscience," "the moral end," "goodness," "right," "duty," "punishment," etc.

1. *Metaphysics (two-thirds course)*.

Winter and Spring Terms, 3.

Lectures, discussions, and theses.

The object of this course will be to give students a realization of the nature and genuineness of some of the more important metaphysical problems, as well as to expound some solutions and suggest methods for reaching others. This also is a reading course, and many references will be given out. A text-book, to be announced later, will be used.

2. *Historical Course (full course)*.

3.

This course is intended to acquaint students with



## PHILOSOPHY:

the works of the leading modern philosophers. Wherever it is possible these thinkers will be studied at first hand. It will be the constant aim of the professor to get the problems stated, by members of the class or by himself, in modern and quite comprehensible form; to show that these problems arise naturally and inevitably; to trace the historical kinship of the different problems as they appear in one mind after another; and to point out the increasing accuracy and adequacy in their statement, together with the greater subtlety and cogency of the solutions offered, wherever the latter is the case.

Such a course is indispensable to students who think of pursuing philosophic study.

2a. *From Locke to Hume (one-third course).* Fall Term, 3.

Discussions, theses, and occasional lectures. Texts: "*Selections from Locke*," "*Selections from Berkeley*," Hume's "*Treatise*," with references to the leading Histories of Philosophy, etc.

This course deals with the great English empirical movement in Philosophy. It is useful in showing how far common sense can go, and what are its limitations. Two theses and occasional papers will be written by members of the class.

2b. *Kant (one-third course).* Winter Term, 3.

Discussions, theses, and lectures. Texts: Watson's "*Selections from Kant*" and Mahaffy's "*Kant's Kritik and Prolegomena*."

The term's work will be introduced by a short series of lectures outlining briefly the course of Philosophy on the continent of Europe from Des Cartes through Leibnitz to Wolff. Most of the time will

## PHILOSOPHY:

be devoted to a study of Kant at first hand and to a consideration of some of his more lucid critics. The class will be expected to take an active part in discussions, and to write not more than two theses, and occasional short papers. It is well for students to remember that Kant is the most important modern philosopher, and one of the world's few great thinkers.

2c. *Post-Kantian Philosophy (one-third course.)*

Spring Term, 3.

Discussions, theses, and lectures. Texts: Fichte's "*Science of Knowledge*" and others to be announced later.

The main part of the term will be devoted to the study of Fichte, Schelling, and Hegel, at first hand as far as possible, thus following to its conclusion the German movement that began with Kant. The close historical relation of these four thinkers is especially instructive. The concluding few weeks of the term will be devoted to outlining the general course and the leading tendencies of Philosophy after Hegel.

*For Graduates.*3. *Seminary (full course).*

3.

If a sufficient number of competent students present themselves, this course will be given in one of the following subjects, at the option of the class: The Logic of Science, Advanced Logic, Epistemology.

This course is intended to give students the beginnings of a training in independent investigation

## PHILOSOPHY:

in philosophy. The meetings will be quite informal, and students will be expected to take the chief part. Each student will select some subject, after consulting with the professor, get references from him, and look them up independently, and will prepare a paper containing his result, to be read before and discussed by the class. Occasional lectures will be given by the professor.

The attention of students interested in philosophy is called to Latin 7 and Greek 7.

## SCHOOL OF PHYSICS.

PROFESSOR McRAE.

STUDENT ASSISTANT REICHMANN.

*For Undergraduates.*

## PHYSICS:

1. *Descriptive Physics (full course).*

One experimental lecture and two recitations a week. This course is intended for those who wish to gain a general knowledge of the principal phenomena of physics. The topics are treated in an elementary manner, and are fully illustrated by experiment.

Text-books: Wright's Heat, Light, and Sound, Thompson's Electricity and Magnetism.

This course can not be counted as a prescribed course in engineering.

2. *General Physics (full course).*

3.

Three recitations or lectures a week. This course is intended for those who wish to obtain a thorough

## PHYSICS:

foundation in the fundamental laws of energy. The subjects are treated both mathematically and experimentally, and attention is given both to the theory and to the practical applications of the various portions of the subject. Barker's Physics is used as a text-book. Mathematics 1 is required for entrance to this course.

3. *Physical Measurements (full course).* 3.

One lecture a week on the derivation and definitions of the mechanical and electrical units, and on the construction and use of physical measuring instruments. Six hours a week in the physical laboratory. The laboratory work is designed to acquaint the student with physical measuring instruments, to add to his knowledge of physical laws, and to train him in the proper methods of recording, computing, and discussing results.

Exercises are taken from Sabine's Laboratory Guide. Nichols', Stewart and Gee's, and Kohlrausch's Laboratory Guides are used as reference books.

Course 1 or Course 2 is required for entrance to Course 3. Courses 2 and 3 may be taken at the same time.

4. *Elementary Thermodynamics (two-thirds course).* 2.

Two recitations or lectures a week. Maxwell's Theory of Heat is used as a text-book, and lectures are given on steam, gas, and hot air engines.


Course 2 and a knowledge of the calculus are required for entrance to this course.

*For Undergraduates and Graduates.*

PHYSICS:

Courses are offered in advanced laboratory work and in mathematical physics. The selection of the line of study is determined largely by the wishes and qualifications of the students.

5. *Advanced Laboratory (full course).* 3.
6. *Mathematical Physics (full course).* 3.

 *For courses in Electrical Engineering, see Engineering Department.*

SCHOOL OF POLITICAL SCIENCE.

PROFESSOR HOUSTON.

The courses in this school are open to Sophomores of *high rank*, Juniors, Seniors, Graduates, and Law Students. Students who wish to take 2, 3, or 4, must present Course 1 or its equivalent.

POLITICAL SCIENCE:

*Economics.*

1. *Outline of Economics (two-thirds course).*

Fall and Winter Terms, 3.

Mill, *Principles of Political Economy*; Ingram, *History of Political Economy*; Lectures.

Course 1 is intended for those who have time to take only a general view of the subject, and for those who wish to lay a foundation for more advanced work. Students will be required to read

## POLITICAL SCIENCE:

carefully Mill's *Principles*, and passages in other works, and to take part in discussions of topics suggested in the classroom. The professor will undertake to clear up difficult points, to criticise the text, and when necessary to supplement it by lectures. From time to time special lectures will be given on economic opinion before and since Mill's time, on economic history, on labor problems, and on socialism.

2. *Financial History of the United States (one-third course).*

Spring Term, 3.

Dunbar, *Laws of the United States Relating to Currency, Finance, and Banking*; Bolles, *Financial History of the United States*; Taussig, *Silver Situation in the United States*; *Debates in Congress*; *Reports of the Secretary of the Treasury*.

This course will review Hamilton's financial system; the bank controversies; the finances of the war of 1812, and the civil war; the resumption of specie payments; and the silver situation.

3. *Economic Development of the United States (one-third course).*

Fall Term, 3.

Rand, *Economic History Since 1763*; Taussig, *Tariff History of the United States*; Hadley, *Rail-road Transportation*.

This course will trace briefly the growth of industries, the effects of the important inventions, tariff history, railway expansion, and the development of trusts.

4. *Public Income and Expenditure (two-thirds course).*

Winter and Spring Term, 3.

Bastable, *Public Finance*; Ely, *Taxation in Amer-*

**POLITICAL SCIENCE:**

*ican States and Cities*; Dowell, *History of Taxation and Taxes in England*; Adams, *Public Debts*; etc.

Course 4 is intended to give an acquaintance with the principles of taxation and the methods as practiced in the United States, England, France, and Germany, with discussions of such special questions as income taxes, and the single tax.

*Government.*

5. *Constitutional Government (two-thirds course).*

Fall and Winter Terms, 3.

Burgess, *Political Science and Comparative Constitutional Law*; Goodnow, *Comparative Administrative Law*; Boutmy, *Studies in Constitutional Law*; Mill, *Representative Government*; and Maine, *Popular Government*.

This course gives a general account of the constitutional arrangement of the United States, England, France, Germany, Austria, and Switzerland. Special attention will be given to such topics as Responsible Ministries, Upper Chambers, Suffrage, and Instruction of Representatives.

6. *Government in the United States (one-third course).*

Spring Term, 3.

Stevens, *Sources of the United States Constitution*; Fiske, *Civil Government in the United States*; Bryce, *American Commonwealth*; Wilson, *Congressional Government*; Mason, *Veto Power*; Goss, *Tariff Administration in the United States*; Pomeroy, *Constitutional Law*; Cooley, *Constitutional Limitations*; *Government Publications*.

This course will deal with the formation of the

## POLITICAL SCIENCE:

Union; the machinery of government, national, state, and local; the division of powers; political theories; and practical problems.

## SCHOOL OF ROMANCE LANGUAGES.

PROFESSOR ———\*.

INSTRUCTOR J. MAGNENAT.

FELLOW MISS L. M. CASIS.

Courses 1-4 must be pursued in their regular order. As courses 3, 4, and 6 are only two-thirds courses, Course 5 may supplement any one of them to make a full course.

## FRENCH.

*For Undergraduates.*

## FRENCH:

- |   |               |
|---|---------------|
| 1. <i>French Grammar (full course).</i>               | 3.            |
| Joynes-Otto's Introductory French Lessons;            |               |
| Joynes' French Fairy Tales.                           | MISS ANDREWS. |
| 2. <i>French Syntax (full course).</i>                | 3.            |
| Edgren's French Grammar, Part III.; Dela-             |               |
| vigne's Louis XI; Merimée's Colomba; Feuillet's       |               |
| Le Roman d'un Jeune Homme Pauvre.                     |               |
|   | MR. MAGNENAT. |
| 3. <i>Classical French Plays (two-thirds course).</i> | 2.            |
| Corneille's Le Cid; Moliere's Le Misanthrope;         |               |
| Racine's Athalie; French Prose Composition, trans-    |               |

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\* At present the School of Romance Languages is in charge of the Professor of Teutonic Languages.



FRENCH:

lation of Rip Van Winkle into French; Critical Essays (in French) on Le Cid, Le Misanthrope, and Athalie, requiring parallel reading.

MR. MAGNENAT.

*For Undergraduates and Graduates.*

4. *Classical Prose (two-thirds course).* 2.

Selections from Victor Hugo, Lamartine, Alfred de Musset, George Sand; Critical Essays (in French) (1) On the Origin and Causes of the Romantic School, (2) On Victor Hugo and his Place in French Literature, (3) On Lamartine, Alfred de Musset, George Sand.

MR. MAGNENAT.

5. *French Literature (one-third course).* 1.

Lectures on the origin and development of French Literature from its beginning to the XVII Century. This course completes Courses 3, 4, and 6.

MR. MAGNENAT.

*For Graduates.*

6. *Old French (two-thirds course).* 2.

Brachet's Grammar; Constans's Chrestomathie. Lectures on Comparative Grammar.

DR. PRIMER and MR. MAGNENAT.

SPANISH.

*For Undergraduates.*

SPANISH:

1. *Spanish Grammar (full course).* 3.

Ramsey's Spanish Grammar; Knapp's Spanish Readings; Spanish Prose Composition.

MISS CASIS.

## SPANISH:

2. *Spanish Syntax (two-thirds course).* 2.

Ramsey's Spanish Grammar; Spanish Prose Composition; Alcaron's *El Final de Norma*.

DR. PRIMER.

*For Undergraduates and Graduates.*

3. *Spanish Syntax (two-thirds course).* 2.

Ramsey's Spanish Grammar; Spanish Prose Composition; Don Quijote, Calderon's *El Principe Constante*, La Vide es Sueño.

DR. PRIMER.

4. *Spanish Literature (one-third course).* 1.

Lectures on the development of Spanish Literature from its beginning to the 18th Century. This course completes Courses 2 or 3.

DR. PRIMER.

## SCHOOL OF TEUTONIC LANGUAGES.

PROFESSOR PRIMER.

INSTRUCTOR JESSIE ANDREWS.

Courses 1-4 are consecutive, and must be taken in their regular order. Courses 6 and 8 are supplemental to Courses 3, 4, and may be pursued with either, or with Course 7.

*For Undergraduates.*

## GERMAN:

1. *German Grammar (full course).* 3.

Joynes-Meissner's German Grammar, Part I.; Brandt's German Reader.

MISS ANDREWS.

GERMAN:

2. *German Syntax (full course)*. 3.

Joynes-Meissner's German Grammar, Part II.;  
Buchheim's German Prose Composition; Freytag's  
Die Journalisten; Goethe's Italienische Reise.

Dr. PRIMER.

3. *Classical German Plays (two-thirds course)*. 2.

Lessing's Minna von Barnhelm; Goethe's Iphigenie auf Tauris and Hermann und Dorothea; Schiller's Wilhelm Tell. Translation: Buchheim's Prose Composition and Original Compositions. Essays (in German) on Minna von Barnhelm, Goethe's Drama and William Tell.

Dr. PRIMER.

*For Undergraduates and Graduates.*

4. *Studies in German Literature (two-thirds course)*. 2.

Goethe's Faust; Lessing's Nathan der Weise; Spielhagen's Auf der Düne; Essays (in German) on Faust, Nathan der Weise and Spielhagen.

Dr. PRIMER.

5. *Scientific German (two-thirds course)*. 2.

Gore's German Science Reader; Hirzel's Chemie, Haas's Geologie, Giebel's Zoologie.

Dr. PRIMER.

6. *German Literature (one-third course)*. 1.

Lectures on the Second Classic Period of German Literature, and original work by the students. This course completes Courses 3-4, and may be taken with Course 7.

Miss ANDREWS.

## GERMAN:

7. *Gothic, O. H. G. and M. H. G. (two-thirds course)*. 2.

Grammar and Literature of Gothic, Old High German and Middle High German, and Comparative Study of the Teutonic Languages.

Dr. PRIMER.

8. *German Seminary (one-third course)*. 1.

Meetings are held once a week, and the exercises consist of reading, conversation, and such social entertainment as will best serve to develop a taste for the literature and promote the study of the German language.

# UNIVERSITY OF TEXAS.

## Schedule of Hours for Session of 1896-97.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10	App. Math. 1. English 3. History 8, 9. Latin 5. Spanish 1.	App. Math. 2. English 4. Geology 4. History 4, 5. Latin 1. Mathematics 5. Spanish 2.	App. Math. 1. English 3. History 8, 9. Latin 5. Spanish 1.	App. Math. 2. English 4. Geology 2. History 4, 5. Latin 1. Mathematics 5. Spanish 2.	App. Math. 1. English 2, III; 3. History 8, 9. Latin 6. Spanish 1.	App. Math. 2. English 4. History 4, 5. Latin 2. Mathematics 5. Spanish 4.
10-11	App. Math. 4. Biology 1. Geology 3. Greek 2. Latin 7. Physics 2. Spanish 3.	App. Math. 3. Elect. Engineering 2. English 11, 13. French 7. German 3. Greek 3, 4. Latin 3. Physics 1, I.	App. Math. 4. Biology 1. Geology 3. Greek 2. Latin 7. Physics 2. Spanish 3.	App. Math. 3. Elect. Engineering 2. English 10, 13. French 7. German 3. Greek 3, 4. Latin 4. Physics 1, I.	App. Math. 4. Biology 1. Geology 3. Greek 2. Latin 8. Physics 2.	App. Math. 3. Chemistry 4. Elect. Engineering 2. English 10, 16. French 7. German 6. Greek 3, 4. Latin 3. Physics 1, I.
11-12	Biology 4. English 1, I, III. French 1, I. German 4. Greek 1. History 6, 7. Mathematics 2.	Chemistry 1. English 12. History 1, 2, 3, I. Mathematics 4. Physics 1, II.	Biology 4. English 1, I, III. French 1, I. German 4. Greek 1. History 6, 7. Mathematics 3.	Chemistry 1. English 12. History 1, 2, 3, I. Mathematics 4. Physics 1, II.	Biology 4. English 2, I. French 1, I. German 5. Greek 1. History 6, 7. Mathematics 3. Chemistry 7.	Chemistry 1. English 12. History 1, 2, 3, I. Physics 1, II.

12-1	Biology 3. English 1, II. French 1, II. Geology 1. Philosophy 1. Physics 3.	Chemistry 3. Elect. Engineering 1. English 7. Geology 5, 6. History 1, 2, 3, II. Philosophy 4.	Biology 3. English 1, II. French 1, II. Geology 1. Philosophy 1. Physics 4.	Chemistry 3. Elect. Engineering 1. English 8. Geology 5, 6. History 1, 2, 3, II. Philosophy 4.	Biology 3. English 2, II; 5, 6. French 1, II. Geology 1. Philosophy 1. Physics 4.	Chemistry 1, a. English 9. Geology 5, 6. German 5. History 1, 2, 3, II. Latin 9. Philosophy 4.
1:30-2:30	Biology 2. German 7. Pedagogy 1. Physics 6.	Pedagogy 2. Physics 5.	Biology 2. German 7. Pedagogy 1. Physics 6.	Pedagogy 2. Physics 5.	Biology 2. Pedagogy 1. Physics 6.	Pedagogy 2. Physics 5.
2:30-3:30	French 2. Geology 7. German 1, I. Greek A. Pol. Sci. 1, 2.	French 3. German 2. Greek A. Mathematics 1, I. Pedagogy 3. Pol. Sci. 4.	Biology 5. French 2. German 1, I. Math. 1, I. Pol. Sci. 1, 2.	French 3. German 2. Greek A. Mathematics 1, I. Pedagogy 3. Pol. Sci. 4.	Biology 5. French 2. German 1, I. Greek A. Math. 1, I. Pol. Sci. 1, 2.	French 5. German 2. Greek A. Pedagogy 3. Pol. Sci. 4.
3:30-4:30	English 15. French 6. German 1, II. Pol. Sci. 3. Chemistry 8.	Chemistry 5. French 4. Mathematics 1, II.	English 15. Chemistry 2. German 1, II. Math. 1, II. Pol. Sci. 3.	Chemistry 5. French 4. Mathematics 1, II.	Chemistry 2. English 15. German 1, II. Math. 1, II. Pol. Sci. 3.	

Seminary hours will be arranged by the professors concerned.

LABORATORY HOURS: Biology—As arranged by the professor.  
 Chemistry—Courses 3, 4, 6: Monday and Thursday, 3-6 p. m.; Wednesday and Friday, 8-12 a. m.; Saturday, 8 a. m. to 6 p. m. Course 1: Thursday and Saturday, 3-6 p. m.; Chemistry 7: 11 a. m. to 6 p. m.; Chemistry 8: Friday, 3-6 p. m.  
 Drawing—Every week day, 9 a. m. to 5 p. m.  
 Engineering—Field work, Monday, 3-6 p. m.  
 Geology—Every week day, except Saturday, 9 a. m. to 5 p. m.  
 Physics—Monday and Friday, 2-5 p. m.

# SCHEDULE OF EXAMINATIONS.

## FALL EXAMINATIONS, 1896.

9-12	2-5
English .....	Biology, Political Science .....Thursday, Dec. 17.
History .....	German .....Friday, Dec. 18.
Physics .....	Philosophy .....Saturday, Dec. 19.
Latin. Engineering ..	Geology .....Monday, Dec. 21.
Greek. Spanish .....	French .....Tuesday, Dec. 22.
Mathematics .....	Chemistry .....Wednesday, Dec. 23.

## WINTER EXAMINATIONS, 1897.

9-12	2-5
English.....	Biology, Political Science .....Monday, March 15.
History .....	German .....Tuesday, March 16.
Physics .....	Philosophy .....Wednesday, March 17.
Latin. Engineering ..	Geology .....Thursday, March 18.
Greek. Spanish .....	French .....Friday, March 19.
Mathematics .....	Chemistry .....Saturday, March 20.

## FINAL EXAMINATIONS, 1897.

9-12	2-5
English .....	Biology, Political Science .....Monday, June 7.
History .....	German .....Tuesday, June 8.
Physics .....	Philosophy .....Wednesday, June 9.
Latin. Engineering ..	Geology .....Thursday, June 10.
Greek. Spanish .....	French .....Friday, June 11.
Mathematics .....	Chemistry .....Saturday, June 12.

## MATERIAL EQUIPMENT.

### LOCATION.

The Department of Literature, Science, and Arts, the Department of Engineering, and the Department of Law are at Austin; the Department of Medicine is at Galveston.

The buildings in Austin are situated on a tract of forty acres, bounded by Twenty-first, San Marcos, Twenty-fourth and Lampasas streets, about three-quarters of a mile north of the State Capitol. The site commands an extensive view in every direction, but especially of the City of Austin and of the highlands beyond the Colorado River.

### THE MAIN BUILDING.

The Main Building occupies a position near the center of the campus, facing south. It is of light-colored brick, with white stone trimmings. The west wing, erected in 1883, is three stories in height, with a high basement. Its dimensions, outside measurement, are 78x108 feet. The central portion of the building, together with the north wing, was erected in 1889. Exclusive of the assembly hall, it is four stories in height, and is surmounted by a tower 24x24 feet, rising to the height of 160 feet. Its dimensions are 46x116 feet. The assembly hall, in the second story of the north wing of the main building, is of the Gothic style of architecture. It is 78x128 feet, and is finished in pine, with a gallery and a stage. It is furnished with opera chairs, and has a seating capacity of about 1700 persons. This building is heated by steam.



## THE BRACKENRIDGE HALL.

The Brackenridge Hall, the gift of Mr. George W. Brackenridge of San Antonio, one of the Regents of the University, was completed December 1, 1890. Its situation is directly east of the main building. Erected especially for students, it contains twenty-four lodging rooms and a restaurant, and is supplied with every convenience. It is heated throughout by the Bolton hot water system, and each room has a large bay window and is fitted up with gas fixtures.

## THE CHEMICAL BUILDING.

The Chemical Building was erected in 1891, at a cost of \$25,000. It is a substantial edifice of brick, with white stone and red brick trimmings, 62x92 feet, outside dimensions, and two stories in height. Its situation is northwest of the main building.

## THE BIOLOGICAL LABORATORY.

The basement of the west wing of the main building has been assigned to the School of Biology.

In the Biological Laboratory each table is supplied with gas, a Leitz microscope, dissecting instruments, glass slips and covers. For general use a Zeiss dissecting microscope, large Thoma-Jung and Minot-Zimmerman microtomes, all necessary stains, alcohol, and other re-agents, movable aquaria, water, etc.

The Lecture Room is provided with a complete series of 100 of the celebrated Leuckart and Nitche zoological wall charts. In addition there are models, by Brendel, of bacteria, stonewort, fern, bean embryos, etc.; by Ziegler, of

the development of the chick, amphioxus, pelagic larvæ and gastrula, and the "Linnæa" preparations in alcohol of the life histories of the bee, wasp, gold-beetle, meal-beetle, ant-lion, salamander, frog, etc.

In the Aquarium Room at the seven windows are marble and plate glass aquaria, and in the center of the room is a large cemented brick tank, divided into four compartments. Here is kept a supply of the various living things studied. In this room also are vivaria for peculiar and common Texas forms of snakes and lizards, which are kept alive for the purpose of investigation.

The Anatomical Laboratory is provided with tables, dissecting and injecting apparatus, re-agents, etc., for Mammalian Anatomy.

#### THE CHEMICAL LABORATORY.

The apparatus belonging to the School of Chemistry is of the best quality, and sufficient to afford students the opportunity of engaging in almost any kind of theoretical or practical work.

There are fifteen rooms, large and small, in the Chemical Building, all of which are well lighted and ventilated. They include various laboratories and work rooms, such as are usually found in chemical buildings.

The Assay Laboratory is fire-proof, and is provided with the necessary furnaces and apparatus.

The laboratory for beginners is a large room (35x60 feet), and has accommodations for seventy-two students.

These two rooms, together with store-rooms and the assistant's room, constitute the lower floor of the building.

The laboratories for advanced students, weighing rooms, lecture room, and the professor's private laboratory occupy the second floor.

## THE GEOLOGICAL LABORATORY.

The Geological Lecture Room and Laboratories are situated on the third floor of the west wing of the main building. The lecture room will seat a class of thirty, and is so arranged that it may be darkened for the use of the lantern. In this room, separated by a temporary partition, is the private office of the professor and the special library of the School of Geology. Here, too, are kept on file the current papers and magazines, as the *American Geologist*, the *American Journal of Science*, the *Engineering and Mining Journal*, the *Neues Jahrbuch fuer Mineralogie, Geologie und Palæontologie*, etc.

The laboratories occupy a suite of three connected rooms. The first, directly across the corridor from the lecture room, contains cabinets and cases for the storage of palæontological material, minerals and rocks, the working collections, and appliances for the physical determination of minerals. The second is devoted exclusively to blowpipe analysis, and those operations involving the use of chemical re-agents. Desks and complete blowpipe outfits are here provided for eight students, and the room can be easily arranged to accommodate twice that number. Opening out of this laboratory is a smaller room, used for special chemical operations.

The display and reference collections of this school, filling twenty-two large cases, are situated in the corridor of the central portion of the main building, adjacent to the laboratories. Among the recent additions is the "Singley Collection," a valuable and unique cabinet of recent Texas shells, presented by Mr. George W. Brackenridge, of San Antonio.

## THE PHYSICAL LABORATORY.

The School of Physics occupies a suite of four rooms on the south side of the corridor, first floor, west wing of the main building, as follows:

(a) **PHYSICAL LECTURE ROOM.**—This room will comfortably accommodate an audience of a hundred persons, and is arranged as an amphitheater, so that an unobstructed view may be had of the lecturer's table and apparatus. The room may be darkened so as to adapt it for experimental lectures upon light, etc.

(b) **PHYSICAL CABINET.**—Adjoining the lecture room on the east and communicating with it is the Physical Cabinet, containing suitable cases for the storage of instruments not in use. The apparatus illustrating lectures on the various branches of physics is quite complete, and there are also instruments of importance for electrical measurements.

(c) **PHYSICAL LABORATORY.**—East of the apparatus room is the Physical Laboratory. It is provided with work benches, tables, piers, etc., and other appliances necessary for the successful prosecution of experimental research.

(d) **PROFESSOR'S OFFICE.**—The last room of the suite, east of the Laboratory, is the office of the professor. Here there may be found a collection of books and periodicals relating to physical subjects. A portion of this room has been partitioned off into a darkened chamber for photography.

## THE LIBRARY.

The University Library now contains 15,676 volumes, together with numerous magazines, pamphlets, and papers, while on its subscription lists are found the best known American, English, German and French periodicals. Great care has been taken in the selection of books, and it is be-

lieved that the foundation of an excellent library has been laid. The needs of the University have been kept constantly in mind, and an attempt has been made to equip each school with the works most needed.

At present the Library is arranged as follows:

1. The Library and Reading Room. This room is situated on the north side of the corridor in the west wing of the main building, first floor. Here, in large alcoves, are arranged those volumes especially needed by the general student or a large number of students, the more technical portions of the library being, for convenience, assigned to the several schools. A portion of this room has been set apart for readers.

2. The southwest corner of the central portion of the main building, first floor, has been furnished with shelves for 3000 volumes, on which the publications of the United States Government have been temporarily arranged.

Besides the Library of the University, students have access to the libraries of the Supreme Court, of the Department of Agriculture, Insurance, Statistics and History, and of the Department of Education.

#### THE SWENSON COLLECTION OF COINS AND MEDALS.

Mr. S. M. Swenson, formerly of Austin, Texas, but now of New York City, has given the University a valuable collection of coins and medals.

Of the 3476 coins, 2217 are bronze, 1172 silver, and 87 gold. Many of these coins were in use before the Christian era, and, with a few exceptions, none are of a more recent date than the sixth century.

Of the 1846 medals, 607 are silver, and the remainder of bronze and white metal, plated and gilt. There are 94 Russian medals illustrating the rise and progress of that

country from the time of Ruric to that of Czar Alexander. American, French, English, and Swedish medals make up the remainder, and illustrate historical events of great importance in these countries respectively.

Many of these coins and medals are rare, and their value in the study of history is great. Arrangement has been made to make this collection available for instruction in the University, and for this purpose it has been placed in charge of the Professor of History.

## SOCIETIES AND ASSOCIATIONS.

### LITERARY SOCIETIES.

The young men have two literary societies, the Athenæum and the Rusk, each of which has a hall appropriated to its use in the University building. They hold regular weekly meetings for improvement in debate, oratory, composition, and other literary exercises. The young women also have a literary society, the Ashbel, which meets in the hall reserved for them. These societies are in a flourishing condition, and form a most important means of culture, especially in speaking and writing. The students of the University publish a monthly magazine, which furnishes a vehicle for literary and journalistic work.

### YOUNG MEN'S CHRISTIAN ASSOCIATION.

This association is organized among the students and Faculty of the University, and exerts a wholesome and beneficial influence. It meets every Sunday afternoon during the session. The meeting takes the form of a Bible class, conducted by the members in rotation.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

This association is organized among the young lady students of the University. Its object is to promote an interest in the study of the Bible and general Christian work. It meets every Friday noon during the session.

ATHLETIC ASSOCIATION.

In the early part of 1892 an association was formed to take charge of and encourage all athletic sports in the University. It is known as the Athletic Association of the University of Texas. A committee of the Faculty on athletics has been appointed to co-operate with the Association. The officers are:

JESSE ANDREWS, President.

J. W. McCLENDON, Treasurer.

ALUMNI ASSOCIATION.

On Commencement Day, June 17, 1885, an Alumni Association was organized.

Name: The Alumni Association of the University of Texas.

Officers elected June 1, 1895:

L. A. CARLETON, Hillsboro, President.

FANNY VAN ZANDT, Fort Worth, Vice-President.

JESSIE ANDREWS, Austin, Secretary.

A. S. WALKER, JR., Austin, Treasurer.

Those holding diplomas of the University are *ipso facto* members of the Association.

The Association meets annually on Monday of Commencement week at 4 p. m.

The annual address for 1895 was delivered by J. A. Beall, B. L., '90, of Waxahachie.

The annual address for 1896 will be delivered by T. W. Gregory, B. L., '85, of Austin.



# CATALOGUE OF STUDENTS

## IN THE

### DEPARTMENT OF LITERATURE, SCIENCE, AND ARTS.

1895-96.

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#### ABBREVIATIONS.

##### *Groups.*

A . . . in group leading to B. A. Ee . . . in group leading to U. E.	Lit. . . in group leading to B. Lit. Sc. . . in group leading to B. Sc.
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##### *Studies.*

Bi. . . . . Biology. C . . . . . Chemistry. D . . . . . Drawing. E. . . . . English. Ee . . . . . Engineering. F. . . . . French. G . . . . . German. Gr. . . . . Greek. Geol. . . . . Geology.	H. . . . . History. L . . . . . Latin. M . . . . . Mathematics. Ped . . . . . Pedagogy. P. . . . . Physics. Ph . . . . . Philosophy. P. S. . . . . Political Science. Sp . . . . . Spanish.
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## GRADUATES.

Names.	Studies.	Residence.
Brown, Ban Sylvanus.....	Bi.....	Lorena.
(B. A., University of Texas.)		
Brunet, Louise .....	C., H., L., F., Austin.	
Ped.		
(B. Lit., University of Texas.)		
Cameron, Donald.....	G., Gr., L.....	Wheelock.
(B. A., University of Texas.)		
Casis, Lilia Mary .....	G., Ph., P. Sc....	Austin.
(B. Lit., University of Texas.)		
Decherd, Mary Elizabeth.....	E., H.....	Austin.
(B. Lit., University of Texas.)		
Ellingson, Ulysses Sumner....	Ee., M., P.....	Austin.
(C. E., University of Texas.)		
Gregory, Stephen.....	Bi., Ee., M.....	San Antonio.
(C. E., University of Texas.)		
Hall, Nellie McAlpine.....	E.....	Austin.
(B. Lit., University of Texas.)		
Harrison, Grace Sinclair.....	Ped.....	Austin.
(B. Lit., University of Texas.)		
Kinzie, Henry Clinton.....	C., H.....	Austin.
(B. A., University of Indiana.)		
Murray, Grace.....	E.....	Austin.
(B. Lit., University of Texas.)		
Pearce, James Edwin .....	C.....	Austin.
(B. Lit., University of Texas.)		
Schoch, Eugene Paul.....	C., Geol., P.....	San Antonio.
(C. E., University of Texas.)		
Yeiser, Charles Thomas.....	Bi., G., L., Ph..	Austin.
(B. A., University of Texas.)		

## SENIORS.

Benson, Madison Hawthorne ..	A ..	Austin.
Blalock, Harry Fitzelton.....	Sc .....	McGregor.
(McGregor High School.)		
Carl, John Franklin.....	Lit .....	St. Elmo.
Criddle, Ernest David .....	Lit .....	Waxahachie.
(Waxahachie High School.)		

# DEPARTMENT OF LITERATURE, SCIENCE AND ARTS. 101

Names.	Studies.	Residence.
Decherd, Henry Benjamin	Lit	Austin.
(Austin High School.)		
Ellis, Amos Downing	Lit	Leesville.
(Gonzales High School.)		
Forsgard, Anna Matilda	A	Waco.
(Waco High School.)		
Furman, David Strother	A	Belton.
(Belton High School.)		
Graves, Effie	Lit	Austin.
(Austin High School.)		
Hill, Benjamin Felix	Sc	Austin
Hume, Francis Charles, Jr.	Lit	Galveston.
McCaleb, Walter Flavius	Lit	Carrizo Springs.
(San Antonio Academy.)		
McDaniel, Anna Caroline	Lit	Tyler.
†Oldright, Charles Durand	Sc	Austin.
Raggio, Andrew Paul	A	Austin.
Reichmann, Fritz	Ee	Austin.
(Holder of Scholarship, Austin High School.)		
Rucker, Augusta	A	Paris.
Smith, Martha Maud	Lit	Austin.
Smith, Noyes Darling	Ee	Austin.
Smith, William Howell	Sc	Simonds.
Spalding, William Aaron	Ee	Waxahachie.
Whitis, Gertrude	Sc	Austin.
(Austin High School.)		
Williams, Lawrence Smith	Sc	Giddings.
Wilson, Glennie	Lit	Rockdale.
(Rockdale High School.)		

## JUNIORS.

Acree, Solomon Farley	Sc	McGregor.
(McGregor High School.)		
Bachman, Ella Lætitia	A	Austin.
(Austin High School.)		
Blaine, Virginia Maude	Lit	Austin.
Blanton, Thomas Lindsay	Lit	Austin.

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†Deceased.

Names.	Studies.	Residence.
Brady, Agnes.....	Lit.....	Austin.
(Austin High School.)		
Cahn, Bertrand Isidore.....	Lit.....	New Orleans, La.
Collard, Hallie.....	Lit.....	Austin.
Evans, Harriette.....	Sc.....	Corpus Christi.
(Corpus Christi High School.)		
Hamlett, James Whitfield.....	A.....	Alvin.
(Ennis High School.)		
Harris, Lanu Reine.....	Lit.....	Austin.
(Austin High School.)		
Harris, Richard Coke ..	A.....	Comanche.
Hill, Eula Louise.....	Lit.....	Austin.
(Austin High School.)		
Howard, Henry George.....	A.....	Jacksboro.
(Terrell High School.)		
Isaacs, Leonard Broadnax.....	Lit.....	Rockdale.
(Rockdale High School.)		
Knox, Louis.....	Sc.....	Giddings.
Lavender, Roberta Frances ..	Lit.....	Tyler.
(Sam Houston Normal.)		
Lewis, Florence Parthenia.....	A.....	Austin.
(Holder of Scholarship, Austin High School.)		
Lucy, Virginia Alberta.....	Lit.....	Austin.
McLaughlin, Andrew Cyrus ..	Sc.....	Austin.
McVea, John Crane.....	Ee.....	Waelder.
Michalson, Jacob Eugene.....	Lit.....	Dallas.
Neville, Henry Oscar.....	Ee.....	Austin.
Norton, Charles Fishback.....	Sc.....	Carlisle, Ky.
Palm, John Cavleer.....	Sc.....	Austin.
Patrick, Emma Reuel.....	Lit.....	Austin.
Prather, John Kirkpatrick.....	Sc.....	Waco.
Rice, Carl Cosmo.....	A.....	Clear Creek.
Routh, Eugene Coke.....	A.....	West Point.
(Holder of Scholarship, Flatonia High School.)		
Schweer, Lawrence Harry.....	Lit.....	Denton.
(Denton High School.)		
Smith, William Roy.....	A.....	Austin.
(Austin High School.)		
Spence, John.....	Ee.....	Austin.

# DEPARTMENT OF LITERATURE, SCIENCE AND ARTS. 103

Names.	Studies.	Residence.
Wedemeyer, Gustavus Adolphus A . . . . .		Belton.
Willbanks, Charles Kavanaugh .Sc . . . . .		Edna.

## SOPHOMORES.

Allen, Mayme . . . . .	Sc . . . . .	Corpus Christi.
(Corpus Christi High School.)		
Baker, Riley Andrew . . . . .	Sc . . . . .	Gatesville.
Baker, William Edwin . . . . .	Lit . . . . .	Alvarado.
Baldwin, Zoe Lenore . . . . .	Lit . . . . .	Austin.
Berry, Frank Lee . . . . .	Ee . . . . .	Houston.
(Houston High School.)		
Boyd, William Trobaugh . . . . .	A . . . . .	Atoka, Tenn.
Brown, Benjamin Mickle . . . . .	A . . . . .	Austin.
Brown, Henry Seymour . . . . .	A . . . . .	Austin.
Buchanan, Samuel Robert . . . . .	Ee . . . . .	Bastrop.
Coleman, George Wesley . . . . .	Lit . . . . .	Waxahachie.
(Waxahachie High School.)		
Decherd, William Thomson . . . . .	Lit . . . . .	Austin.
(Austin High School.)		
Dohmen, Alwine Laurencia . . . . .	Lit . . . . .	Austin.
Dohmen, Franz Joseph . . . . .	A . . . . .	Austin.
(The Institute for the Blind.)		
Easton, Evan Shelby . . . . .	Sc . . . . .	Austin.
(Austin High School.)		
Foster, Samuel Thompson, Jr .Sc . . . . .		Laredo.
Griffith, Etta Irene . . . . .	A . . . . .	Salado.
(Thomas Arnold High School.)		
Grigsby, Emer Mildred . . . . .	A . . . . .	Austin.
Harris, Leona Lota . . . . .	Lit . . . . .	Austin.
(Austin High School.)		
Harris, Vera . . . . .	Lit . . . . .	Austin.
(Austin High School.)		
Holmes, Yancey Wendell . . . . .	Lit . . . . .	Leesville.
Kleberg, Edward Robert . . . . .	Lit . . . . .	Yorktown.
Lewis, Thomas Harwood . . . . .	A . . . . .	Gonzales.
(Holder of Scholarship, Gonzales High School.)		
Lomax, John Avery . . . . .	A . . . . .	Weatherford.
(University Preparatory School, Austin.)		

Names.	Studies.	Residence.
Midkiff, William Preston, Jr.	Lit	Gainesville.
Miller, William Tecumseh	Lit	Waelder.
Montelin, Agnes Estelle	A	Austin.
(Austin High School.)		
Morgan, Richard, Jr.	Sc	Dallas.
(Dallas High School.)		
Neville, Clara Helen Blanche	Lit	Austin.
Oliver, Eugene	Sc	Sau Saba.
Parker, Richard Denny	Ee	Calvert.
Parker, William Samuel	Sc	Calvert.
(Calvert High School.)		
Pettigrew, Hugh Clinton	Lit	Throckmorton.
Phillips, John Otis	A	East Orange, N.J.
Posey, Hattie Ollie	Lit	Austin.
Praeger, Otto	Lit	San Antonio.
Ralston, Lucie Eugenia	Lit	Austin.
Smith, Wade Morris, Jr.	Ee	Austin.
Steele, Laura	Lit	Austin.
Stiles, Hardy Roy	Sc	Taylor.
(Taylor High School.)		
Swancoat, Nettie Bissell	Lit	Austin.
(Austin High School.)		
Waggener, Leslie, Jr.	A	Austin.
Wallace, Edna	Lit	Austin.
West, Frank Thomas	A	Battle.
Whatley, Thomas Augustus	A	Huntsville.
Yeager, Anson Blake	Lit	Waxahachie.
(Waxahachie High School.)		

## FRESHMEN.

Ainsworth, James Franklin	A	Kosse.
(B. A., National Normal University, Ohio.)		
Alsworth, Richmond McLunis	Sc	Austin.
(University Preparatory School, Austin.)		
Amerman, Almeron Earl	Lit	Houston.
(Houston High School.)		
Archer, Osceola, Jr.	A	Austin.
Ardrey, Herbert Downs	Lit	Dallas.

DEPARTMENT OF LITERATURE, SCIENCE AND ARTS. 105

Names.	Studies.	Residence.
Askew, Florence Alberta.....	Lit.....	Austin. (Austin High School.)
Atlee, Edwin Augustus, Jr ..	Lit.....	Laredo.
Bainbridge, Walter Herbert...A.	.....	Salado. (B. S., National Normal University, Ohio.)
Baker, William Percy.....	A.....	San Angelo. (University Preparatory School, Austin.)
Barker, Eugene Campbell.....	A .....	Palestine.
Beall, Khleber Heberden.....	A.....	Fort Worth.
Blackburn, Alice Almeda.....	Lit. ....	Hornsby.
Bostick, Cordelia Cora .....	Lit. ....	Gainesville. (Gainesville High School.)
Brady, William Paul.....	Lit. ....	Austin. (Austin High School.)
Brown, George Walter.....	Ee .....	Austin.
Bryan, Daisy Annice .....	Lit. ....	Velasco.
Camp, Alex.....	Lit. ....	Dallas. (Cole's Select School, Dallas.)
Caperton, James Reuben.....	Lit. ....	St. Elmo.
Caven, David Burnett.....	Lit. ....	Dallas.
Chamberlin, Don Alonzo, Jr..	Lit. ....	Belton. (Belton Male Academy.)
Chapman, Belle Gray .....	Lit. ....	Austin. (University Preparatory School, Austin.)
Clark, William Everhart .....	Lit. . .	Reagan.
Cobb, Margaret Eulalie .....	A .....	Cameron. (Cameron High School.)
Coleman, Mary Enid .....	Lit .....	Colorado.
Collard, Royer Lee .....	A .....	Austin.
Cooper, Sam Brown, Jr.....	Lit .....	Woodville.
Couch, Daniel Robert... ..	A .....	Haskell.
Cousins, Robert Winfield .....	Sc .....	Austin.
Crozier, Norman Robert .....	A .....	Palestine. (Holder of Scholarship, Palestine High School.)
Daly, James Patrick .....	Ee .....	Paris. (Paris High School.)
Daniel, Gertrude .....	Lit .....	Austin.
Davis, Robbie .....	A .....	Rector.
Davis, William A.....	A .....	Salado. (Thomas Arnold High School, Salado.)

Names.	Studies.	Residence.
De Lesdernier, Vive	Lit	Houston.
(Holder of Scholarship, Houston High School.)		
Denmark, Andrew Walker	Lit	Rancho.
Denson, Maud Ware	A	Austin.
(Austin High School.)		
Denton, John Smith	Lit	Atlas.
(University Preparatory School, Austin.)		
Denton, William Robert	Lit	West.
Donnan, Lilla J.	Lit	Austin.
(Austin High School.)		
Douglass, John Stevens	Lit	Covington.
Eckhardt, Oscar Gustav	Sc.	Yorktown.
Eifler, Bertha	Lit	Flatonia.
(Holder of Scholarship, Flatonia High School.)		
Ellis, Leigh	Sc.	Austin.
(University Preparatory School, Austin.)		
Embree, John Willhoit	Sc.	Belton.
(Belton Male Academy.)		
Fisher, Walter Wooldridge	A	Austin.
(University Preparatory School, Austin.)		
Fleishel, Nellie	Lit	Tyler.
(Pennybacker's High School, Tyler.)		
Folsom, Allison Thompson	Sc.	Edna.
Ford, Ethel Bright	A	Austin.
Ford, William Claude	Ee.	Cameron.
(Cameron High School.)		
Fowler, Effie Geraldine	Lit	St. Elmo.
Friend, Frank Ford	A	Ozona.
Frost, Thomas Clayborn, Jr.	A	San Antonio.
Gehren, Ella	Lit	Austin.
(University Preparatory School, Austin.)		
George, Libbie Lee	Lit	Ennis.
(Ennis High School.)		
Giles, Campbell Battle	A	Laredo.
Goldstein, Abe	Lit	Taylor.
(Taylor High School.)		
Gooch, Mabel	Lit.	Palestine.
(Palestine High School.)		
Gray, Fred William	Sc.	Waelder.



DEPARTMENT OF LITERATURE, SCIENCE AND ARTS. 107

Names.	Studies.	Residence.
Gray, Nora.....	Sc. ....	Waxahachie.
(Waxahachie High School.)		
Gregg, Frank .....	Sc. ....	Manor.
Hamblen, Otis.....	Lit. ....	Houston.
Hart, James Hill.....	Lit. ....	Austin.
(University Preparatory School, Austin.)		
Heard, Mary .....	Sc. ....	Cleburne.
Henry, Malcolm Conn .....	Sc. ....	Denison.
Hill, Albert Eugene.....	Lit. ....	Taylor.
(Taylor High School.)		
Hill, Annie Campbell .....	Lit. ....	Austin.
Hill, Raymond .....	Lit. ....	Austin.
(Austin High School.)		
Holland, Bruns Pitts.....	Sc. ....	Brenham.
(Brenham High School.)		
Holland, William Meredith.....	Lit. ....	Dallas.
Homer, Arthur Patch .....	Sc. ....	Galveston.
(Ball High School.)		
Horton, Mary Lee....	Lit. ....	Austin.
Horton, Robert Wynne .....	Sc. ....	Austin.
House, Charles Fleetwood.....	Lit. ....	Mansfield.
Hutchison, Harvey McLeary..A .....		Comanche.
Jacobs, Julius Lilien .....	A .....	Atlanta.
Johnson, Ava Lee .....	Lit. ....	Stonewall.
Johnson, Susan Gabrilla .....	Lit. ....	Austin.
(Austin High School.)		
Jones, Charlton Yellowly .....	Sc. ....	Salado.
Kelly, Lena D .....	Lit. ....	Austin.
Key, Mary.....	Lit. ....	Austin.
King, Clarence Waldman .....	Lit. ....	San Antonio.
(San Antonio Academy.)		
Kirk, Louis Harry.....	Sc. ....	Austin.
Knight, Gertrude.....	A .....	Austin.
Kuehne, John Matthias .....	A .....	Wied.
Lasater, Wayne Hesley.....	A .....	Weatherford.
Lebold, Bertha Edith .....	Lit. ....	Austin.
Le Tellier, Clifford LaHache..Lit. ....		Sherman.
Lockett, Martha Cary.....	Lit. ....	Austin.
Lowry, Anna MacKinney .....	Lit. ....	St. Elmo.

Names.	Studies.	Residence.
Magnenat, Florence Suzannah	Lit.	Austin.
Marie.		
	(Austin High School.)	
Malcolm, Minnie	Lit.	Gainesville.
	(Gainesville High School.)	
Maltby, Marjorie	Sc.	Corpus Christi.
	(Holder of Scholarship, Corpus Christi High School.)	
Marable, Frank	Lit.	Deport.
Marable, Herbert Thornwell	Lit.	Deport.
Martin, Herbert	Lit.	Marlin.
Matlock, John William	Sc.	Arlington.
Matthews, William Henry	Lit.	Gonzales.
	(Gonzales High School.)	
May, Robert E.	A	Mexia.
	(Mexia High School.)	
Mayer, Max Kaufman	Lit.	Fort Worth.
	(Fort Worth High School.)	
McClendon, George Calvert	Sc.	Laredo.
McCraney, Virgil Henry	A	Temple.
	(Holder of Scholarship, Belton Male Academy.)	
McFarland, Bates Holland	Lit.	Rockport.
McLane, Ray	Ee.	Laredo.
McLaughlin, Minnie Elizabeth	Lit.	Austin.
McMahon, William Emmett	A	Savoy.
McPherson, Ida Belle	Lit.	Austin.
Meyer, Mordecai	Lit.	Dallas.
	(Dallas High School.)	
Miller, Lourania	A	Killeen.
	(Thomas Arnold High School.)	
Moore, Mary E.	Lit.	Temple.
	(Temple High School.)	
Moore, Taylor, Jr.	A	Austin.
Moore, William Francis	A	Austin.
	(Austin High School.)	
Morgan, George William	A	Honey Grove.
	(Grayson College.)	
Morris, Vernie Rosborough	A	Belton.
	(Belton Male Academy.)	
Nelson, Annie Venable	Lit.	Belton.
	(Belton High School.)	

DEPARTMENT OF LITERATURE, SCIENCE AND ARTS. 109

Names.	Studies.	Residence.
Nicholson, Frank Gilmer.....	Lit .....	Gonzales.
Palm, Ormerod Heywood .....	Sc .....	Austin.
(University Preparatory School, Austin.)		
Parker, Daniel, Jr.....	A .....	Calvert.
(Calvert High School.)		
Patterson, Dovie Ella. ....	Lit .....	Manhaca.
Patterson, Mary Alice.....	A .....	Tyler.
(Pennybacker High School, Tyler.)		
Payton, Eula Lee .....	Lit .....	Duval.
(Austin High School.)		
Pfeiffer, Otto Andrew .....	Ee .....	San Antonio.
(Holder of Scholarship, San Antonio High School.)		
Pierson, Nannie Craik.....	Lit .....	Austin.
Ponton, Brownie .....	A .....	Gonzales.
(Holder of Scholarship, Gonzales High School.)		
Potter, William Dixon....	Lit .....	Gainesville.
(Gainesville High School.)		
Prather, Mary Lucretia .....	Lit .....	Waco.
(Holder of Scholarship, Waco High School.)		
Rabb, Walter Tharp .....	Sc .....	Barton Springs.
Radkey, Oliver Henry .....	Sc .....	Austin.
(Austin High School.)		
Ralston, William Wallace ....	Sc .....	Austin.
Rembert, Edna Miller.....	Lit .....	Austin.
Reynolds, Henry Presley.....	A .....	Cookville.
Rhine, Fedora Dorothea .....	A .....	Bonham.
(Holder of Scholarship, Bonham High School.)		
Robertson, George .....	Lit .....	Dallas.
Robertson, Sawnie Rivers.....	A .....	Dallas.
(Summer Hill Select School.)		
Robinson, James Festus.....	Sc .....	Waelder.
(Sam Houston Normal.)		
Robinson, Louise Estelle.....	Lit .....	Gonzales.
(Gonzales High School.)		
Ross, Ancil Henry, Jr.....	Lit .....	Gainesville.
(Gainesville High School.)		
Rowe, Florence Edna.....	A .....	Dallas.
(Dallas High School.)		

Names.	Studies.	Residence.
Sanders, Birdie Mae	Lit	Austin.
(University Preparatory School, Austin.)		
Sandusky, Alonzo	Lit	Rio Vista.
(Institute for the Blind.)		
Sansom, Winfield	A	Austin.
(Austin High School.)		
Shaw, Hiram Albert	A	Austin.
Sitman, Minnis	Lit.	Austin.
Smith, Florence Chalfont	Lit.	Fort Worth.
(Fort Worth High School.)		
Smith, Felix Ezell	Lit.	Austin.
Smith, Royall George	A	Houston.
Spann, Mary Theresa	A	Navasota.
(Holder of Scholarship, Navasota High School.)		
Stephens, Andrew Jackson	A	Waelder.
(Gonzales High School.)		
Sterzing, Clara	Lit.	Austin.
Sterzing, Herbert	Sc.	Austin.
Stevens, Walter Armstrong	Lit.	Dallas.
(Dallas High School.)		
Stoddard, Charlotte Marguerite	Lit.	Bryan.
Openheimer.		
(Bryan High School.)		
Stone, Ben Brandon	Lit.	Stranger.
Stovall, Smith Lavender	A	Swan.
Straus, Joseph Clyde	Lit.	Dallas.
Tallichet, Jules Henri	Sc	Austin.
(Austin High School.)		
Thompson, William Hardeman	Lit.	San Marcos.
Thornton, Harry Alexander	Ee.	Austin.
Thweatt, Hattie Elizabeth	Lit.	Austin.
Tobin, Leonard More	Lit	Austin.
Townes, Earnest Wildbahn	A	Austin.
Traylor, Paul Henry	Lit	Dallas.
Waggener, Frances Pendelton	Lit	Austin.
Walsh, William Sylvester	Lit	Austin.
Whitis, Thomas Palton	Ee.	Austin.
(University Preparatory School, Austin.)		
Williams, Caroline Louise	A	Austin.

# DEPARTMENT OF LITERATURE, SCIENCE AND ARTS. 111

Names.	Studies.	Residence.
Williamson, Asa Lee.....	A.....	Nolanville. (Thomas Arnold High School.)
Wingrove, Charles Henry.....	Lit.....	Denison.
Winkler, William.....	Sc.....	The Grove.
Winter, Gabriel Jordan.....	Sc.....	Waco. (Staunton Military Academy.)
Wise, Henry Alexander, Jr.....	Sc.....	Austin. (Abilene High School.)
Wortham, Richard Walter.....	Sc.....	Paris.
Wren, Josephine.....	Lit.....	Austin.
Yeiser, Edwin Hopson.....	Sc.....	Austin.
Young, John Rogers.....	Sc.....	Hempstead.

## SPECIALS.

Allen, Rivers Otho.....	L., Gr., Ped.....	Tupelo, Miss.
Arnold, Katheryn Myrtle.....	E., F.....	Cameron.
Baker, R. S.....	P. S.....	Austin.
Bewley, Lula May.....	Ped.....	Austin.
Blanton, Annie Webb.....	E., F., Ped.....	Austin.
Brooke, Florence Ralston.....	E., F.....	Austin.
Brooks, Mabel.....	F., H.....	Austin. (Austin High School.)
Carlisle, Kittie Rose.....	E., Ped.....	Austin.
Caspari, Ottalie.....	Bi., E., Gr., Pol. Sc.	Austin.
Creswell, R. W.....	Sp.....	San Antonio.
Dawson, Nannie Elizabeth.....	E.....	Austin.
Early, Malcolm McIntyre.....	Bi., C., S., E., L.	Waco.
Freshney, Alfred.....	Bi., C.....	Austin.
Geissler, George Paul.....	Ped., Ph., E., P.	New Braunfels. S., G., F.
Gay, John Balford.....	Bi., C.....	Austin. (Sam Houston Normal.)
Gilbert, Thomas Hugh.....	G., E.....	Austin.
Goldstein, Rebecca.....	G., Ped.....	Austin. (Austin High School.)
Halsted, Maggie.....	C.....	Austin.
Hancock, C.....	E.....	Farmersville.
Hancock, W. P.....	P. S.....	Palmer.
Harrall, Sallie.....	M.....	Gonzales.

Names.	Studies.	Residence.
Hilgartner, H. L.....	Bi., E.....	Austin.
House, J. F.....	P. S.....	Dallas.
Hunt, Zou Long.....	Ped., P.....	Austin.
Jaggar, Anna Louise.....	Geol.....	Austin.
Jones, J. W.....	H.....	Nocona.
Jordan, Robert Lee.....	M., Ped.....	Midlothian.
Kelley, Mattie Elizabeth.....	E.....	Austin.
Lamon, Nellie.....	E., G.....	Austin.
Lane, Alice Mayfield.....	E.....	Austin.
Lowry, Mary.....	E., P.....	Austin.
MacDonnell, Anthony Augus- tine.	C.....	Austin.
Magnenat, Valerie Alexan- drine Ida.	E., F., G.....	Austin.
(Austin High School.)		
Maverick, John Frost.....	C.....	San Antonio.
Maxwell, Janie Alice.....	Ped.....	Austin.
McDonald, Charles Kent.....	E.....	Austin.
Moore-Barrett, Emma.....	E.....	Austin.
Newton, F. R.....	P. S., Sp.....	San Antonio.
Norman, Mrs. Elizabeth.....	F.....	Austin.
Parks, Samuel McCulloch.....	G., F., H., Sp.....	Brownwood.
(B. S., Cumberland University, Tenn.)		
Powell, John Rush.....	E., G., Gr., F., Ped.	Waco.
(A. B., Baylor University.)		
Rembert, Elizabeth Bridges.....	H.....	Austin.
Roberts, Oscar Edwin.....	E., Gr., G., L.....	Brownwood.
(Daniel Baker College.)		
Schwartz, S.....	E., P. S.....	Hallettsville.
Sheppard, Morris.....	Ped.....	Pittsburg.
Smith, Willie Reynolds.....	E.....	Austin.
Spencer, Eska.....	M., P., Geol., E.....	Killeen.
Thomas, C. C.....	Ped., Sp.....	Cotulla.
Tips, Alice.....	F.....	Austin.
(Austin High School.)		
Tottenham, John William.....	C., P., Bi.....	Semphronius.
Van Zandt, Birt Thomas.....	Bi., C.....	Paris.
Walker, Thomas Bailey.....	C.....	Austin.
Wallace, Maude.....	D.....	Austin.

# DEPARTMENT OF LITERATURE, SCIENCE AND ARTS. 113

Names.	Studies.	Residence.
Weller, Samuel McLeary.....	E.....	Austin.
Williams, Kate Zenobia.....	Ped.....	Austin.

## SUMMARY.

Graduates.....	14
Seniors.....	24
Juniors.....	33
Sophomores.....	45
Freshmen.....	174
Specials.....	53
Total.....	343





# GRADUATES OF THE UNIVERSITY

## IN THE

### DEPARTMENT OF LITERATURE, SCIENCE, AND ARTS.

Names marked † are those of deceased Alumni.

Name.	Degree.	Occupation.	Residence.
Andrews, Jesse. ....	B. Lit., '95 ..	Student in U. of T.	Watterproof, La.
Andrews, Jessie. ....	B. Lit., '86 ..	Tutor in U. of T.	Austin.
Bailey, James Robinson.	B. A., '91....	Student at Munich.	Paris.
Baldwin, Rolla Joseph..	B. Sc., '93....	Student in Univ. of Mich.	Austin.
Barry ( <i>born</i> Stone). Belle	B. Lit., '93....	.....	Paris.
Bell, Robert Richard...	B. Lit., '91....	Lawyer...	Gainesville.
Benedict, Harry Yandell.	B. Sc., '92, M. A., '93.	Student in Harvard.	Cambridge, Mass.
Bergen, Frank Beatty...	B. Sc., '93 ...	Clerk ....	Austin.
Bond, Bunyan Luther...	B. A., '93....	Teacher...	Cottonwood.
Brady, Helen Gertrude..	B. Lit., '94 ..	Teacher...	Taylor.
Bramlette, Edgar Elliott	M. A., '86....	Teacher...	Fort Worth.
Brown, Ban Sylvanus...	B. A., '90. ..	Fellow in Biology U. of T.	Austin.
Brunet, Louise .....	B. Lit., '95 ..	Student in U. of T.	Austin.
Bugbee, L. G. ....	B. Lit., '92, M. A., '93.	Tutor in U. of T.	New York, N. Y.
Cameron, Donald. ....	B. A., '95....	Fellow in U. of T.	Wheelock.
Carleton, L. A. ....	B. Lit., '87...	Lawyer...	Hillsboro.

GRADUATES OF THE UNIVERSITY—*continued.*

Name.	Degree.	Occupation.	Residence.
Carrington, Lillie .....	B. Lit., '87...	Teacher...	Austin.
Carrington, Mignonette.	B. A., '89, M. A., '90.	Teacher...	Austin.
Carroll ( <i>born</i> Crawford), Daisy.	B. Lit., '95...	.....	Colorado.
Caruthers, Robert L....	B. Lit., '95...	Student in U. of T.	Sherman.
Casis, Lilia Mary .....	B. Lit., '95...	Fellow in U. of T.	Austin.
Cauthorne, Edward Everett.	B. Sc., '91, A. B., Harvard, '92.	Student at Harvard.	Cambridge, Mass.
Clark, James Foster.....	B. Sc., '92...	Clerk in Land Office.	Austin.
Clopton, A. J.....	B. Lit., '88...	Clerk in Governor's Office	Austin.
Cole, Thula.....	B. Sc., '95...	.....	Burnet.
Collins, Jasper.....	B. A., '91...	Lawyer...	Dallas.
Connell, Thos. Edward.	B. Lit., '95...	Med. Stud. in U. of T.	Belton.
Crawford, Walter Joshua	B. A., '94...	Student in U. of T.	Austin.
Culberson, Robert Upton	B. Lit., '88...	U. S. Dist. Atty.	San Antonio.
Davidson, Wilson Thompson.	B. Sc., '91...	Med. Stud. in U. of T.	Galveston.
Decherd, Mary Elizabeth	B. Lit., '92...	Teacher ..	Austin.
Dickson, Leonard Eugene.	B. Sc., '93, M. A., '94.	Fellow in U. of Chicago.	Cleburne.
Dill, Minnie G.....	B. A., '87...	Teacher...	Austin.
Dohoney, Eben Luther..	B. Lit., '91...	Teacher...	Paris.
Doppelmayer, Belinda..	B. Lit., '94...	Teacher...	Marshall.
Durham, Chas. Emmett.	B. Lit., '95...	Teacher...	Jasper.
Ellingson, Ulysses Sumner.	C. E., '95....	Student in U. of T.	Austin.
Endress, George Albert.	B. Sc., '93...	Engineer ..	Mexico.
Etter, Joe Fenet .....	B. Lit., '93 ..	Merchant ..	Sherman.
Flansary, Almonte Byron	B. Lit., '92 ..	Lawyer...	Weatherford.
Ford, John Stanley.....	B. A., '94, M. A., '95.	Teacher...	Austin.
Frenkel, Charles.....	B. Lit., '89...	Lawyer...	Galveston.
Gammon, John Lea.....	B. Lit., '92 ..	Lawyer...	Waxahachie.
Gano, Maurice Dudley..	M. A., '89...	Lawyer ..	Dallas.

DEPARTMENT OF LITERATURE, SCIENCE AND ARTS. 117

GRADUATES OF THE UNIVERSITY—*continued.*

Name.	Degree.	Occupation.	Residence.
Garcia, Manuel Marius..	B. A., '94...	Teacher...	San Antonio.
Gilson, Harry W.....	B. Lit., '88...	Banker...	El Paso.
Gordon, William Andrew	B. Sc., '90...	Lawyer...	Austin.
Greer ( <i>born</i> Stone), Jean- nette Bailey.	B. Lit., '87...	.....	Beaumont.
Gregory, Stephen.....	C. E., '95...	Tutor, U. of T.	San Antonio.
Hall, Nellie McAlpine...	B. Lit., '95...	Teacher...	Austin.
Hamilton, Arthur Claude	B. Sc., '92...	Lawyer...	Laredo.
Hamlett, George Whit- field, Jr.	B. A., '94...	Teacher...	Italy.
Harrison, Grace Sinclair	B. Lit., '95...	Teacher...	Austin.
Herndon, John Henry ..	B. Lit., '88...	Lawyer...	Tyler.
Hicks, R. Yale.....	M. A., '90...	Lawyer...	Laredo.
Hill, Maclovio.....	B. A., '92...	Teacher...	Austin.
Hill, Nina.....	B. Lit., '94...	Teacher ..	Paris.
Horne, Louis.....	B. Lit., '89...	Merchant..	Greenville.
Hornsby, Helen.....	B. Lit., '95...	Teacher...	Austin.
Houston ( <i>born</i> Beall), Helen.	B. Lit., '92...	.....	Austin.
Hunnicut, Wm. H. P...	B. Sc., '88...	Civil En- gineer.	Waco.
Jackson, Andrew Lee...	B. A., '87...	Lawyer...	La Grange.
James, Adoniram Judson	B. Sc., '90...	Teacher...	Dallas.
James, William Alonzo.	B. Sc., '94, M. A., '95.	Teacher...	Monticello.
Jones, Henry Bankhead.	B. Sc., '91...	Engineer ..	Ballinger.
Kleberg, Rudolph, Jr....	B. A., '94, M. A., '95.	Teacher...	Yorktown.
Lefevre, Albert.....	B. A., '94...	Student in J'ns Hop- kins.	Baltimore.
Lefevre, Arthur .....	C. E., '95...	Instructor U. of T.	Austin.
Le Grand, Leroy.....	B. Lit., '95...	Medical Stud't in U. of T.	Graham.
Lewright, James Bruce.	B. A., '86...	Lawyer...	Fort Worth.
Long, Sam Bell Maxey..	B. A., '91...	Lawyer...	Paris.
Louis, Benjamin Frank- lin.	B. Lit., '95...	Student in U. of T.	Marlin.
Lowrance, Will Nichols	B. Sc., '93...	Teacher...	Weatherford.
Lyne, Thomas John....	B. Sc., '91...	Engineer ..	Oakville.
Lyons, Jessie May.....	B. A., '95...	Teacher...	Austin.
Mackensen, Bernard....	B. Sc., '95...	Teacher...	San Antonio.
†Mathis, Rufus Arndle..	B. Sc., '93...	Engineer ..	Bay City.

GRADUATES OF THE UNIVERSITY—*continued.*

Name.	Degree.	Occupation.	Residence.
Maxwell, Charles Fortson.	B. Sc., '95...	Prof. Howard Paine College.	Brownwood.
McCelvey, George Edgar	B. Lit., '90...	Merchant..	Temple.
McClendon, Jas. Wooten	B. Lit., '95...	Student in U. of T.	Laredo.
McDaniel, Alfred Clifton	B. Sc., '89, M. D., N. Y., '92.	Physician.	San Antonio.
Miller, Jessie.....	B. Lit., '89...	Teacher...	Galveston.
Miller, Robert Finney...	B. Lit., '89...	Physician.	Houston.
Morris, S. M.....	B. Sc., '88...	Prof. Med. Dept. U. of T.	Galveston.
Murray, Grace.....	B. Lit., '94...	Teacher...	Austin.
Nagle, James C.....	B. Sc., '89, M. A., '92; M. C. E., Cornell.	Prof. in A. & M. College.	College Stat'n
Nagle, Michael, Jr.....	B. Lit., '92...	Lawyer...	Bryan.
Patten, Jessie Erigone..	B. A., M. A., '88.	Teacher...	Mineola.
Pearce, James Edwin...	B. Lit., '94, M. A., '95.	Prin. Austin High School.	Austin.
Penick, Daniel Allen....	B. A., '91, M. A., '92.	Student in J's Hopkins.	Austin.
Pessels, Constance.....	B. Lit., '86, M. A., '92, Ph. D., Johns Hopkins, '94		Austin.
Pierce, George Washington.	B. Sc., '93, M. A., '94.	Teacher...	Ardmore, I. T.
Porter, Milton Brockett.	B. Sc., '92...	Student at Harvard.	Sherman.
Posey, Samuel Sampson.	B. Sc., '92...	Teacher in Armour Institute.	Chicago.
Rains, George Perry....	B. A., '93....	Med. student, U. of T.	Galveston.
Red, Samuel Clark.....	B. A., '85....	Physician.	Houston.
Robbins, Alice Virgie...	B. Lit., '94...	Teacher...	Mankato, Minn.
Schoch, Eugene Paul...	C. E., '94....	Tutor, U. of T.	San Antonio.
Schwartz, Marcus.....	B. Lit., '95...	.....	

DEPARTMENT OF LITERATURE, SCIENCE AND ARTS. 119

GRADUATES OF THE UNIVERSITY—*continued.*

Name.	Degree.	Occupation.	Residence.
Shelley, Frederick William.	B. Sc., '92 ...	Clerk Sup. Court.	Austin.
Sheppard, Morris.....	B. A., '95....	Student in U. of T.	Pittsburg.
Simmons, David Edward	B. Lit., '91...	Lawyer...	Sherman.
Slaughter, Edgar Dick..	B. Lit., '95...	Student in U. of T.	Dallas.
Smith, Branch.....	B. Sc., '94 ...	Student in U. of T.	Austin.
Smith, James Newton...	B. Lit., '89...	Lawyer...	Austin.
Smith, John Turner ....	B. Sc., '93 ...	Civil Eng.	Austin.
Smith, Matthew Mann ..	B. Sc., '88, M. A., '89.	Physician.	Austin.
Smith, Robert Waverly..	B. A., '87....	City Atty.	Galveston.
Spence, David Wendell..	B. Sc., '89 ...	Prof., A. & M. Coll'ge	College Stat'n.
Stephens, Walter Oliver.	B. Lit., '93...	Lawyer...	Honey Grove.
Stone, Ada Eliza.....	B. Lit., '93....	.....	Beaumont.
Swearingen, P. Henry...	B. Lit., '87...	Lawyer...	San Antonio.
Swearingen, Richard Joseph.	B. Lit., '90...	Lawyer...	Brenham.
Taff, Joseph J. ....	B. Sc., '94 ...	U. S. Geol. Survey.	Washington.
Templeton, C. V.....	B. Lit., '87...	Physician.	Gough.
Thomas, Robert .....	B. Sc., '94 ...	Farmer ...	Burnet.
Thompson, Robert Andrew.	B. Sc., '92, M. A., '93.	Engineer..	Beaumont.
Tillman, Sidney Hess...	B. Lit., '95...	Ins. Agent.	Dallas.
Tull, Hugh Vance .....	B. A., '95....	.....	.....
Van Zandt, Fanny.....	B. Sc., '94 ...	Teacher...	Fort Worth.
Waggener, Elizabeth Ross	B. Lit., '90...	Teacher...	Austin.
Wedemeyer, Edward....	B. Sc., '94 ...	Student in Med. Dep. U. of T.	Belton.
Weich, Frank Horace...	B. A., '93....	Student at Harvard.	Taylor.
Wilson, Robert Lee.....	B. Sc., '94, M. A., '95.	Student in Med. Dep. U. of T.	St. Elmo.
Woods, Willie Foard...	B. Lit., '90...	Banker ...	Del Rio.
Wooten, Goodhall Harrison.	B. Sc., '91, M. A., '92.	Physician.	Austin.
Wooten, Joe Sill.....	B. Sc., '92 ...	Physician.	Austin.
Yeiser, Charles Thomas.	B. A., '95....	Fellow, U. of T.	Austin.



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**DEPARTMENT OF ENGINEERING.**

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## DEPARTMENT OF ENGINEERING.

### FACULTY.

THOS. U. TAYLOR, C. E., M. C. E.	Civil Engineering.
AUSTIN LEE MCRAE, D. SC.	Physics and Electrical Engineering.
H. W. HARPER, Ph. G., M. D.	General and Industrial Chemistry.
FREDERIC W. SIMONDS, Ph. D.	Geology and Mining.
GEORGE BRUCE HALSTED, Ph. D.	Mathematics.
W. W. NORMAN, B. Sc., M. A.	Biology.
LESLIE WAGGENER, M. A., LL. D.	English.
SYLVESTER PRIMER, Ph. D.	Modern Languages.
ARTHUR LEFEVRE, C. E.	Instructor in Mathematics
E. P. SCHOCH, C. E.	Tutor in Chemistry.
STEPHEN GREGORY, C. E.	Tutor in Civil Engineering.
FRITZ REICHMAN.	Assistant in Physics.
U. S. ELLINGSON, C. E.	Mechanical Assistant in Physics.

In this department four distinct groups of courses are offered in Civil, Sanitary, Electrical, and Mining Engineering. Each group is designed to occupy a student a period of four years. In addition to the academic courses prescribed for the various professional degrees, the following professional courses are offered:

### CIVIL ENGINEERING.

#### FOR UNDERGRADUATES.

1. (a) Highway Engineering; (b) Land Surveying and Levelling; (c) Descriptive Geometry, Shades and Shadows, Axometric and Perspective Projections. (Full course.)

2. (a) Railroad Location; (b) Geodetic, Topographical, City, and Mine Surveying; (c) Stereotomy and Theory of Arch; and (d) General Mechanics. (Full course.)

3. (a) Stresses in Roofs and Bridges; (b) Mechanics of Materials; (c) Design of Simple Structure; (d) Hydraulic Engineering. (One and one-third courses.)

4. (a) Materials of Engineering; (b) Foundations and Erection of Structures; (c) Theory of the Braced, Solid, Oblique, and Elastic Arch; (d) Bridge Designing; (e) Stresses in Complex Structures; (f) Masonry Construction; (g) Sanitary Engineering; (h) Higher Geodesy; (i) Water Supply Engineering; (j) Contracts and specifications; (k) Class Thesis. (One and two-thirds courses.)

Students who elect the course in Sanitary Engineering omit (c) Theory of Arches, (e) Stresses in Complex Structures and High Bridge Designing, and spend the time thus gained in special investigation in the biological and chemical laboratories.

## SUBJECTS AND METHODS OF INSTRUCTION.

### CIVIL ENGINEERING.

The instruction in Civil Engineering is given by means of lectures, recitations, and by practical work in the field, drawing room, and testing laboratory. The construction, use, and adjustments of the various engineering field instruments are carefully taught and exemplified. The different kinds of surveying are taught by means of text-books and lectures, and by constant practice in the field. Instruction in Descriptive Geometry is given by aid of a text-book, and by numerous original problems. The latter are made a special feature of the course. Shades, shadows, axom-

etric and perspective projections are taught by means of lectures, and by constant practice at the drawing board.

The subject of Applied Mechanics embraces the principles of theoretical and applied mechanics and their application to a consideration of the various laws of stress, the strength and proportion of columns, beams, floors, and members of bridge and roof trusses.

The course in Hydraulic Engineering embraces the study of theoretical and practical hydraulics, and the application of its principles to the problems of water supply engineering, canal engineering, and the improvement and control of rivers. The strength of dams, reservoirs, and similar structures is made part of this course.

In Masonry Construction are considered the strength, durability, and tests applied to stone, brick, cement, and lime; the composition, use, and strength of mortar and concrete; the theory of the stability and cost of dams, piers, abutments, culverts, arches, and retaining walls. Baker's *Masonry* is used as a text-book.

The instruction in Sanitary Engineering includes a consideration of the hydraulic principles regulating the size of pipes for drainage areas, the forms of pipes, their details, flushing tanks, separate and combined systems, and the purification and utilization of sewage. A special course of lectures on Sanitary Science is delivered by the Professor of Chemistry to the students of engineering; and the Professor of Biology gives a course on micro-organisms, etc., for the students in engineering.

*Bridge Designing* is taught almost entirely by lectures. Standard works, lithographs of bridge details, blue-prints of bridges and their details, standard specifications, moment diagrams, and Carnegie's Pocket Book are kept constantly at hand. The designing usually includes the

design of a roof truss, stringers, floor beams, a deck plate girder, a through plate girder, a highway bridge, a railroad bridge, and a draw-span.

The following shows the course in detail:

*First Year.*—Road Engineering, Levelling, Contours and Grades, Round Writing, Free-hand Lettering, Mechanical Drawing, Land Surveying, Adjustment and Use of Instruments, Compass Surveying, Free-hand Drawing, Descriptive Geometry, Shades and Shadows, Transit Surveying, Mechanical Drawing, Topographical Drawing.

*Second Year.*—Railroad Engineering, Turnouts and Track Problems, Linear Perspective, Field Practice, Mechanical Drawing, Geodetic, Topographical and City Surveying, Practice in Stadia Work and Triangulation, Free-hand Drawing, Stone Cutting, Analytical Mechanics, Use of Solar Compass, Mechanical Drawing.

*Third Year.*—Stresses in Roof and Bridge Trusses, Field Practice, Mechanical Drawing, Applied Mechanics, Laboratory Work, Hydraulic Engineering, Design of Simple Structures.

*Fourth Year.*—Materials of Engineering, Theory of Arches, Foundations, Shop Drawings, Bridge Designing, Stresses in the more Complex Structures, Masonry Construction, Memoirs, Sanitary Engineering, Class Thesis.

In addition to the weekly field practice, which extends throughout the year, the students taking Courses 2 and 3 spend two weeks in the month of May in making a geodetic and topographic survey of some locality. For session of 1896-97 they will survey the Colorado River above the dam.

TEXT-BOOKS: Johnson's Theory and Practice of Surveying (last edition); Gilmore's Roads, etc.; Henck's Field Book for Engineers; Taylor's Prismoidal Formulæ; The

Professor's Notes on Descriptive Geometry; Lectures on Shades, Shadows, Axometric and Prospective Projections; Parson's Track; Gore's Geodesy; Warren's Stone Cutting; Lectures on Mechanics; Merriman's Roof and Bridge Stresses (Parts I. and II.); Merriman's Mechanics of Materials; Johnson's Theory and Practice of Modern Framed Structures; Merriman's Hydraulics; Fanning's Water Supply; Baker's Masonry Construction; Baumeister's Sewerage; Lectures on River Engineering; Lectures on Bridge Designing; DuBois' Strains in Framed Structures (last edition); Carnegie's Pocket Companion; Waring's Sewerage and Land Drainage; Buck's Oblique Bridges; Greene's Arches (Part III).

#### EQUIPMENT.

The lecture room, drawing room, testing laboratory, and office of the School of Applied Mathematics occupy the first floor of the north wing of the main building. The drawing room is provided with twenty-six drawing desks and drawing boards. The desks are fitted with drawers and Yale locks, and one is assigned to each student. In addition, there are four larger desks, intended especially for advanced work in perspective, topographical, and shop drawing.

A well selected technical library is accessible to the students in engineering, and the current American engineering journals are kept on file.

A large number of blue prints of bridge designs and engineering structures from leading bridge companies and engineers in the United States has recently been added.

The engineering laboratory is now one of the most complete in the South, and contains the following testing machines: one Olsen testing machine of 100,000 pounds

capacity, provided with deflection instruments, automatic recorder, torsion apparatus, duplex micrometer, measuring instruments, and compression micrometer; one Rhiele Bros. testing machine of 10,000 pounds capacity; one 2000-pounds Olsen cement tester, provided with moulds for both tensile and compressive tests; one Rhiele Bros. cement tester of 1000 pounds capacity.

The collection of field instruments includes the following: two Heller and Brighly transits, one of which is provided with Saegmueller solar attachment; three Gurley transits, one of which has the Gurley solar attachment; three Buff and Berger levels; three Gurley levels; five Gurley needle compasses; one solar compass; one pantograph; one planimeter; one sextant; one plane table; stadia, and leveling rods; chains, tapes, irregular curves and section liners. For running the testing machinery a four-horse power Otto gas engine has been purchased; also for facilitating the calculations of stresses in bridge and other structural designs, a Thatcher's calculating machine has been added. For experiments in estimating the flow of water through pipes, over weirs, etc., tanks, boxes, pipes, etc., have been provided.

### SANITARY ENGINEERING.

This course is essentially one in Civil Engineering, but it is designed for students who wish to pay particular attention to those engineering branches which are concerned with the problems of the public health. The course for the first three years is identical with that of Civil Engineering, but in the fourth year there is a reduction of the time usually spent in considering (a) the theories of the oblique and elastic arch, (b) higher bridge designing, and (c) stresses in complex structures. The time thus gained is devoted

to special work in Biology and Chemistry. Practice is given in the chemical and biological laboratories, and the student is instructed in the methods of water and air analysis, and how to observe and identify the various animal and vegetable organisms present in natural waters and sewage. Particular attention is paid to questions of water supply and drainage, to the method of water and sewage purification, the effect of impure water on the public health, and the methods of sewage disposal. The students in this section are required to take the whole of the hydraulic and sanitary engineering as given in the group of courses in Civil Engineering.

### ELECTRICAL ENGINEERING.

The courses leading to the degree of Electrical Engineer are offered to meet the growing demand for instruction in this important branch of engineering.

The instruction in electrical engineering proper begins in the junior year, and continues throughout the junior and senior years. It is given by means of lectures, problems, and laboratory practice, nearly one-half of the time devoted to this subject being spent in the electrical laboratory.

1. (a) Electromagnetism, (b) Continuous Current Dynamos and Motors, (c) Electro-Chemistry, including Primary and Storage Batteries and Electro-Metallurgy. Two lectures and three hours a week in the electrical laboratory.

Physics 2 and 3 and Mathematics 1 and 2 are required for entrance.

2. (a) Single and Polyphase Alternate Current Dynamos and Motors, Transformers, Condensers, etc., (b) Telegraph and Telephone Circuits, (c) Electric Transmission and Distribution of Energy for Electric Lighting, Heating,

Railway and Power Plants. Two lectures and six hours a week in the electrical laboratory.

### MINING ENGINEERING.

The courses comprising the group of studies leading to the degree of Engineer of Mines are indicated in the tabulated statement following. The distinctive features of the group are the prominence given (1) to Underground Surveying, the practice of U. S. Deputy Mineral Surveyors, etc., in connection with Civil Engineering; (2) to Chemistry, qualitative and quantitative analysis, and Metallurgy; (3) to Geology, both general and economic; (4) to Mineralogy, physical and descriptive, and Blow-pipe Analysis, and (5) to Ore Deposits and Mining.

The character and the scope of the work in Geology, Mineralogy, and Ore Deposits may be seen by reference to Courses 1, 4, 5, 6, and 8 of the School of Geology, Department of Literature, Science and Arts. The special course in Mining covers a consideration of the following subjects: Exploration and Methods of Mining, Sinking of Shafts, Timbering, Boring, Tunneling, Drilling, Blasting, Ventilation, Pumping, Transportation, etc.

On account of the growing importance of electricity in mining, a full course in Electric Engineering is required of all candidates offering themselves for a degree.

### DRAWING.

1. This course includes linear drawing and tinting, free-hand drawing, lettering (free-hand and mechanical), round writing, topographical drawing (pen and colored), mechanical drawing, the solution of problems in projective geometry, tracing and blue-printing. (Full course.)



2. This course includes the drawing of architectural perspectives, machine and bridge drawings, and the drawing of a complete topographical map from the student's notes. (Two-thirds course.)

3. The drawing of standard forms of engineering structures, as trestles, culverts, pneumatic piles, arches, piers, tunnel centers, etc., working drawings of designs made in class. (Two-thirds course.)

4. Bridge details and shop drawings for designs made in class. Each student is required to make the complete working drawings for a bridge designed in class. (Two-thirds course.)

Courses 1 and 2 are taken by all students in the Engineering Department. Courses 3 and 4 are arranged for students taking Civil Engineering. For those students who take Sanitary, Electrical, or Mining Engineering, Courses 3 and 4 are modified to meet their special needs.

#### DEGREES.

The completion of twenty-two full courses in any one group leads to the appropriate degree. The following table gives the prescribed courses for the degree of Civil Engineer (C. E.), of Electrical Engineer (E. E.), and of Engineer of Mines (E. M.):

Courses in—	C. E.		E. E.	E. M.
	Civil.	Sanitary.	Electrical.	Mining.
Mathematics .....	3 courses.....	3 courses.....	3 courses.....	3 courses.
Modern Languages .....	2 courses.....	2 courses.....	2 courses.....	2 courses.
English .....	2 courses.....	2 courses.....	2 courses.....	2 courses.
Civil Engineering.....	5 courses.....	4½ courses...	2½ courses...	3 courses.
Drawing .....	3 courses.....	3 courses.....	3 courses.....	2½ courses.
Field Practice .....	1 course .....	1 course .....	½ course.....	1 course.
Physics .....	1 course (2) ..	1 course (2) ..	2½ courses...	1 course (2).
Chemistry .....	2 courses.....	2½ courses...	2 courses.....	3½ courses.
Geology .....	1 course .....	.....	.....	3½ courses.
Biology .....	.....	1½ courses...	.....	.....
Electrical Engineering	.....	.....	2½ courses...	1 course.
Elective courses .....	2 courses.....	1½ courses...	2 courses.....	.....
Total.....	22 courses.....	22 courses.....	22 courses.....	22 courses.

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DEPARTMENT OF LAW.

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## DEPARTMENT OF LAW.

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### FACULTY.

ROBERT S. GOULD, *Professor of Law.*  
ROBERT L. BATTS, *Adjunct Professor of Law.*  
VICTOR L. BROOKS, *Instructor in Law.*  
H. C. VON STRUVE, *Fellow and Librarian.*  
B. G. HASKELL, *Assistant Librarian.*  
J. B. CLARK, *Proctor of the University.*

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LOCATION.—The Law Department of the University of Texas constitutes a part of what is known as the Main University, and its exercises are held in the principal University building at Austin.

GOVERNMENT.—It is under the general control of the Board of Regents. In matters common to it and the other departments of the Main University it is under the direction of the combined faculties of the several departments. Matters of internal management are controlled by the faculty of the department. The President *ad interim* of the University is the chief executive of the department, and the duties of the Proctor extend to all the departments at Austin. The department has a separate Librarian and Assistant Librarian.

### REQUIREMENTS FOR ADMISSION.

Applications will be entertained for admission to:

1. The Junior Class.
2. The Senior Class.

3. The Graduate Class.

4. The Evening Class.

Applications may be made for admission to either of the classes mentioned as

1. A candidate for a degree;
2. A special student.

#### ADMISSION TO JUNIOR CLASS.

All applicants must be at least nineteen years of age and of good moral character.

#### *As a Candidate for a Degree.*

The candidate may enter:

1. Without examination;
2. Upon examination.

**WITHOUT EXAMINATION.**—The following persons will be admitted without examination:

1. Graduates of high schools completely affiliated with this University or affiliated except in Greek.

2. Persons who have passed examinations in the Literary Department of this University in Mathematics, English, and Latin, and who have taken one full course in History in that department.

3. Graduates of the Agricultural and Mechanical College of Texas, of the Sam Houston Normal School, and of other reputable colleges approved by the Faculty.

**UPON EXAMINATION.**—All other persons will be required to show proficiency in the following branches:

1. English;
2. Mathematics;
3. American and English History;
4. Latin.

*English.*—The applicant must show ability to write grammatically, to spell correctly, and to use properly capitals and punctuation marks. The essay required or other test submitted must also indicate culture and mental training.

*Mathematics.*—The examination will cover Arithmetic, Algebra, and Plane Geometry, and will be substantially the same as for admission to the department of Literature, Science, and Arts. (See page 22.)

*History.*—This examination will require familiarity with the legal and political histories of England and the United States. Green's Shorter History of the English People is referred to as indicating approximately the extent and character of information regarding English history considered necessary. No short history of the United States may be mentioned which is so satisfactory, but A. H. Stephens' and Goldwin Smith's histories will suggest the kind of examination which will be submitted.

*Latin.*—The applicant should be prepared to translate the first two books of Cæsar's Commentaries, three of Cicero's orations, and the first two books of Virgil's *Æneid*. Equivalent study of other Latin authors will be accepted.

In lieu of the Latin examination, an examination in German, French, or Spanish may be substituted.

*Graduates of Partially Affiliated Schools.*—Applicants who have graduated in high schools affiliated as to some subjects with the University, will be examined only in those subjects as to which there is no affiliation.

*Teachers' Certificates.*—Holders of first grade teachers' certificates will be required to stand examination in English History, and in Latin, or some modern language.

*Matriculates in other Departments.*—Matriculates in other departments of the Main University will not be examined

in subjects as to which they have already passed satisfactory examinations in the University.

*Qualifying Provision.*—The purpose of examinations is to satisfy the Faculty that the applicant has sufficient mental capacity and culture to perform satisfactorily the work of the department, and to do honor to the degree given upon completion of the course. The Faculty may therefore, in exceptional cases, conceive it proper to waive some part of the examination, as they may also require additional evidence of the qualification of the applicant.

*As a Special Student.*

Persons not able to stand the examination required of candidates for a degree may, nevertheless, at the discretion of the Faculty, be entered as special students. They will not upon completion of the course be given a diploma, but they will in all other respects be treated as other students of the department.

Applicants may be admitted as special students:

1. Without examination.
2. Upon examination.

**WITHOUT EXAMINATION.**—They may be admitted without examination:

1. When the holder of a first or second grade teacher's certificate.
2. When a graduate of a high school partially affiliated.
3. When he shall have heretofore matriculated in some other department of the University.

**UPON EXAMINATION.**—If not exempt, he will be examined in English, and in addition thereto in one of the following subjects, at the choice of the applicant: Mathematics, History, Latin, or some modern language.



## FEES.

**MATRICULATION FEE.**—The fee for matriculation in the Junior or any other class of the Law Department is \$30. This fee is payable once only. Other requirements complied with, the matriculate is entitled to take all of the courses in Law; and all other courses in all the other departments of the University, without payment of additional matriculation fees. If, before applying for admission to the Law Department, the applicant shall have paid matriculation fees amounting to \$30, no fee will be collected; if he has paid less than \$30, the difference between the amount paid and thirty dollars will be required.

**TUITION.**—Tuition is free.

**LIBRARY DEPOSIT.**—A library deposit of \$5, required annually upon registration, is returned, less charges for loss and injury of books, at the close of the year.

## ADMISSION TO SENIOR CLASS.

Students completing the Junior course are entitled to admission to the Senior class. If admitted as special Juniors they will be enrolled as special Seniors, unless in the meantime they have made up deficiencies. Juniors failing in minor subjects of the Junior course may, at the discretion of the Faculty, be enrolled as Seniors, upon such conditions as the Faculty may choose to prescribe.

Applicants who have never been members of the Junior class may, upon compliance with the conditions for admission to the Junior class, and upon passing satisfactory examinations in the subjects of the Junior course, be admitted to membership of the Senior class, as candidates for the degree or as special students. If the applicant's examination is entirely satisfactory as to the other subjects of

the Junior course, he may, notwithstanding deficiency in one or more minor subjects, be enrolled as a Senior. The applicant must be twenty years or more of age.

#### ADMISSION TO GRADUATE CLASS.

Graduates of the Law Department of this University, and other law schools approved by the Faculty, may be admitted as graduate students.

#### ADMISSION TO EVENING CLASS.

The conditions are the same as for admission to the regular undergraduate classes.

#### COURSES OF INSTRUCTION.

Instruction is given in:

- (1) A regular undergraduate course;
- (2) A graduate course;
- (3) An undergraduate evening course;
- (4) Moot Courts.

#### *Regular Undergraduate Course.*

Regular undergraduate instruction, leading to the degree of Bachelor of Law, covers two years, of nine months each:

1. Junior year.
2. Senior year.

**JUNIOR YEAR.**—The subjects studied by the Junior Class, the text and reference books used, and the instructor in charge during the current year are indicated by the following:

*Elementary Common Law*: Instructor, Mr. Brooks; text-books, Blackstone's Commentaries, books 1, 2 and 3.

*The Law of Contract*: Instructor, Professor Gould; text-book, Anson's Principles of the Law of Contract; reference books, Langdell's Cases on Contracts, Texas Reports, United States Reports, American Cases on Contract, by Huffcut and Woodruff.

*The Law of Sales*: Instructor, Professor Gould; text-book, Teideman on Sales; reference books, Langdell's Select Cases on Sales, Texas and United States Reports.

*Criminal Law*: Instructor, Professor Batts; text-books, the fourth book of Blackstone's Commentaries and the Penal Code and Code of Criminal Procedure of Texas; reference books, Hale's Pleas of Crown, Hargraves' State Trials, Texas Criminal Reports.

*The Law of Torts*: Instructor, Mr. Brooks; text-book, Bishop's Non-Contract Law; reference books, Bigelow's Leading Cases on Torts, Bendick's Cases on Torts, Chase's Cases on Torts, Texas Reports.

*Pleading and Practice*: Instructor, Professor Gould; text-book, Sayles' Texas Pleading, with forms; reference books, Roberts' Elements of Texas Pleading, Story's Equity Pleading, Shipman's Common Law Pleading, Texas Reports, Texas Court of Civil Appeals Reports, and Sayles' and Bassett's Texas Pleading and Practice.

*Evidence*: Instructor, Professor Gould; text-book, Greenleaf on Evidence, Vol. I; reference books, Texas Reports, Texas Criminal Reports.

During the year 1896-97 the Law of Agency will, if practicable, be introduced as a separate subject. If so, Huffcut on Agency will be used. Text-books on the subjects of Torts and Sales may be changed.

SENIOR YEAR.—The subjects studied by the Senior class,

the text and reference books used, and the instructor in charge during the current year are indicated by the following:

*Equity:* Instructor, Professor Gould; text-book, Bisham on Equity; reference books, Shepard's Illustrative Cases, Texas and United States Reports, Pomeroy and Spence on Equity.

*Corporations:* Instructor, Professor Batts; text-book, Taylor's Private Corporations; reference books, Texas and United States Reports. Special lectures on Municipal Corporations.

*Suretyship and Guaranty:* Instructor, Professor Gould; lectures by the Professor; reference books, Baylies, Brandt, and De Colyar on Suretyship.

*The Law of Partnership:* Instructor, Professor Gould; text-book, Parsons on Partnership; reference books, Texas and United States Reports, James Parsons, and Lindley on Partnership.

*The Law of Real Estate:* Instructor, Professor Batts; text-book, Sayles' Real Estate Laws of Texas; reference books, Texas Reports and Statutes.

*Insurance:* Instructor, Mr. Brooks; text-book, Richards on Insurance; reference books, Texas and United States Reports.

*The Law of Commercial Paper:* Instructor, Mr. Brooks; text-book, Bigelow's Bills, Notes, and Checks; reference books, Texas Statutes and Reports, United States Reports, Bigelow's Leading Cases on Bills and Notes.

*Constitutional Law:* Instructor, Professor Batts; text-books, Roberts' Our Federal Relations, Cooley on Constitutional Limitations; books of reference, United States Reports, The Federal Reporter, The Federalist, Calhoun's Works, Story's Constitution, Miller's Lectures, Texas Re-

ports. Under this general head special lectures are given by the professors upon the Jurisdiction of Federal Courts, practice in Federal Courts, removal of causes, and Texas Constitutional History.

*International Law*: Instructor, Professor Gould; text-book, Woolsey's *International Law*; reference books, Wharton's *Digest of International Law*; Snow's *Cases on International Law*; Snow's *Treaties*.

Changes in text-books are not contemplated.

#### METHODS OF UNDERGRADUATE INSTRUCTION.

No one of the several recognized systems of legal instruction is used to the exclusion of other methods. The basis of the work in most of the subjects is carefully selected text-books. Especially is this true of the work primarily done. As the student advances in knowledge of the terminology and of the general principles of the law there is an increasing tendency to depart from the system. Except in the study of elementary common law, leading cases are used throughout the course. Their use is primarily illustrative, but they ultimately become the principal source of acquisition. The ordinary daily exercise consists of an informal lecture by the instructor, elaborating the subject, and supplementing the text or cases, followed by oral examinations of students. To ascertain the character of the work of the student, to encourage accuracy, to secure facility and clearness of expression, and to fix firmly important legal principles, written exercises are not infrequently required. Independent investigation of legal questions is encouraged. To this end abstract legal questions are suggested, and the student is exercised in the oral presentation in the class room of the results of his examination. The

preparation of legal instruments constitutes part of the work.

In addition to the informal lectures of the daily exercises, regular courses of lectures on the following subjects are delivered: Suretyship and Guaranty; the Constitutional History of the United States; the Constitutional History of Texas; the Jurisdiction of the Federal Courts; Practice in Federal Courts; Legal Ethics, etc.

The professors devote their time entirely to instruction, and they are always present in the University to aid, encourage, and advise.

#### BACCALAUREATE DEGREE.

Upon the completion of any subject in the undergraduate course a final examination therein is given. Upon passing satisfactory examinations in all of the subjects of the course, a matriculate who has entered as a candidate for a degree, or who having entered as a special student has made up all deficiencies, who has attended the University for at least one year as a Senior, and has complied with all other regulations of the University, will be entitled to have conferred upon him by the Board of Regents the degree of Bachelor of Laws.

Holders of diplomas of this department may under the laws of the State of Texas obtain license to practice law in any court of the State without examination.

#### GRADUATE COURSE.

Any graduate of the law department of this or any other university, desiring to devote especial attention to any particular branch of the law, may be enrolled as a student, will have access to excellent libraries here available, and will

receive such aid as the Faculty may have time to extend. The ultimate design is to give, in this course, not only opportunity for additional general culture, but to offer facilities for specialization in either of the major subjects constituting a part of the undergraduate course. It is not conceived advisable, however, at this time, on account of the great amount of work required, in the undergraduate course of instruction, to give a wide range in the choice of subjects to be studied by candidates for the master's degree. A course covering the following subjects is offered:

General Jurisprudence;

Conflict of Laws;

Roman Law;

Constitutional History and Law.

*General Jurisprudence.*—In the treatment of this subject (Professor Gould) the following works will be used by the student: Holland's Jurisprudence; Austin's Jurisprudence; Amos' Jurisprudence; Clark's Practical Jurisprudence; Hearne's Legal Duties and Rights; Outlines of the Science of Jurisprudence (translations from Puchter, Friedlander, Falck and Ahrens) by Hastie; Critical History of Modern English Jurisprudence, by Geo. H. Smith; Makby's Elements of Law; Lorisner's Institutes of Law.

*Conflict of Laws* (Professor Gould).—Use is made of the following books: Wharton's, Story's, Westlake's, and Merrill's works on Conflict of Laws; Rorer's Interstate Law; Journal du droit International Privé; Jacobs on Domicil; Bishop on Marriage and Divorce; Proceedings International American Conference, 1890.

*Constitutional History and Law* (Professor Batts).—The study of Constitutional History and Law covers as completely as may be within the time, the following: The formation and growth of the English Constitution; the

formation and development of the American Constitution; Comparative Constitutional Law; formation of the Texas State Constitution. The following among other works are used: The Domesday Book, Rotuli Parliamentorum, Early English Statutes, Hargrave's State Trials, Stubb's Constitutional History, Mays' Constitutional History, Anson's Law and Customs of the Constitution, Pollock & Maitland's History of the Common Law, Stephens' History of the Criminal Law of England, Taylor's Origin and Growth of the English Constitution, Bancroft's History of the Formation of the Constitution of the United States, The Federalist, Elliott's Debates, the works of Calhoun, the works of A. H. Stephens, Miller's Lectures, Story on the Constitution, the United States Statutes and Reports, the Texas Constitutions of 1837, 1845, 1861, 1866, 1869 and 1875; Journals of the Texas Constitutional Conventions.

*Roman Law.*—The basis of the work in the Civil Law (Professor Batts) is Sandar's Justinian, The Corpus Juris Civilis, Gibbon's Rome, Las Partidas, and the works of Hunter, Maine, Amos, Orholan, Mackenzie and others are frequently consulted. The library of the department contains a valuable collection of works on Roman law, purchased with especial reference to the needs of students pursuing this course.

#### METHODS OF INSTRUCTION.

The method of instruction involves a further development of the ideas upon which the system of undergraduate instruction is based. It is assumed that the student will need little more than general direction. Formal exercises therefore are not frequent, and consist principally in sub-



mitting to the instructor for his criticism and advice the results of independent investigation.

*Master's Degree.*—Upon satisfactory completion of the Graduate course, the requirements for admission and other regulations of the University having been complied with, and the student having resided one year at the University as a member of the graduate class, the degree of Master of Law (M. L.) is conferred by the Board of Regents.

*Aids.*—To encourage further preparation for the duties of the legal profession, the librarian of the Law Department and assistant librarian are chosen from the most worthy members of the Senior class who are desirous of prosecuting their studies further in the Graduate class. The compensation of librarian is \$300; that of the assistant, \$150.

#### THE UNDERGRADUATE EVENING COURSE.

At the beginning of the session of 1893-94 an evening class was voluntarily established by the Law Faculty in an effort to still further extend the sphere of usefulness of the University, and for the benefit of persons who were prevented by business from attending the regular exercises. The success of the experiment has been manifest, and the class will be continued. The course is so arranged as to complete the undergraduate course in three years, instead of two, as in the regular class. Matriculates of 1893-94 will, therefore, not have completed the course until the end of the present year. It is impracticable to conduct more than one evening class during any one year. A new class is not, therefore, formed until the graduation of the one preceding. At the beginning of the session of 1896-97 a new class will be formed.

The instructors, the subjects of study, the books used, and the requirements for admission and for graduation are the same as for the regular class.

## THE MOOT COURT.

Pleading and practice in the Moot Court constitute regular exercises of the University. The court is established immediately after the Christmas holidays, and a session is held each Thursday at 3 p. m. until the close of the year.

It is constituted of one of the Professors of Law, acting as chief justice, associated with two members of the Senior class. Members of the class serve in turn. A clerk and a sheriff are appointed, who conform as near as may be with State laws regulating the duties of those officers.

The cases are based upon statements of fact prepared by the instructors, with a view of presenting one or more issues of substantive law, and questions of pleading and practice. The pleadings are in accordance with the rules of the district courts of Texas, the court being assumed to have the jurisdiction of a district court of Travis county. The questions of pleading and practice are determined by the Professor sitting as chief justice. Propositions of law are supported by oral arguments, and by briefs prepared in conformity with the rules obtaining in the Supreme Court. At the sitting of the court next after the submission of a cause a written opinion is read by one or more of the judges. Judgment is given and entered upon the records of the court in conformity to the views expressed by a majority of the members. Judgment is followed by the issuance of execution or other proper process.

Proceedings in attachment, garnishment, injunction, and other extraordinary remedies are had in proper cases.

All members of the Senior class are attorneys of this court, and are required to prosecute and defend causes therein. Members of the Junior class are sometimes assigned to duty, and the presence of all members of this class is encouraged.

## LIBRARIES.

THE LAW LIBRARY.—At a meeting of the Board of Regents of the University June, 1895, in conformity with a recommendation of the Faculty of the Main University, an order was passed setting aside the fees paid annually by law students to the acquisition and maintenance of a law library. A room adjoining the lecture room was fitted up. A sufficient sum was set aside for the compensation of a librarian and an assistant. The balance of the fund, for the current year, was carefully invested in the law books and periodicals most imperatively needed. The law library now contains a number of sets of the Texas Reports, two sets of the United States Reports, the American Decisions, American Reports, and American State Reports, the New York Reports, the Revised English Reports (so far as issued), the Federal Reporter, standard text books on many important topics of the law, a small but valuable collection of books upon the Civil Law, and a valuable collection of works appertaining to American and English constitutional history and law.

Occasion is taken to acknowledge the kindness of a few of the old students and other friends of the department in sending to the library law books and periodicals. Further courtesies of this kind will be greatly appreciated, and fitting acknowledgement will be made. Briefs will be thankfully received and carefully preserved.

The Law Library is kept open from 9 a. m. to 10 p. m. (with short intermissions) every day except Sunday. The books, bought with fees paid by the law students, may be considered peculiarly their own, and every facility is afforded of securing the greatest possible benefit from them.

The liberal policy of the Board will in a few years give

to the Law Department a library proportioned to the general library of the University, and to the great and growing importance of the Law Department.

**THE UNIVERSITY LIBRARY.**—The students of the Law Department have access to the general library of the University, consisting (exclusive of the Law Library) of about 14,000 volumes.

**THE SUPREME COURT LIBRARY.**—The students have access also to the library of the Supreme Court of Texas, perhaps the best law library in the South, and consisting of the Reports of all the States, all of the Reports of the Courts of the United States, all the English Reports, all the Irish Reports, and all of the standard American and English law text-books.

**OTHER LIBRARIES.**—The State Library in the Department of Agriculture, Insurance, Statistics, and History is open to all the citizens of the State. Students are frequently extended courtesies by other departments of State having sets of Texas Reports. The libraries of the professors have been freely used by students.

#### EXPENSES.

**GENERAL EXPENSES.**—The expenses of a student for clothing, etc., are dependent on his habits, inclinations, and financial condition. They need not be greater than elsewhere. There are no regulations of the University requiring particular costumes for any purpose, and University sentiment requires nothing more than the student can afford.

**BOARD.**—Board and lodging ranges from a minimum of thirteen dollars at Brackenridge Hall to about twenty dollars per month at the best of the boarding houses. Brackenridge Hall has a restaurant on European plan, and ex-

penses there will be regulated by the boarder. At places somewhat remote from the University it may be that board may be secured a trifle cheaper than at the Hall even.

Books.—The text-books used in the University have been purchased new from dealers here during the current year at the following prices:

Text-books used in Junior class:

Chitty's Blackstone .....	\$5 00
Anson, Contracts .....	3 50
Tiedeman on Sales .....	5 00
Bishop, Non-Contract Law .....	5 00
Sayles' Texas Pleading, with forms.....	6 00
Greenleaf, Evidence, volume 1 .....	5 00
Revised Statutes of Texas.....	3 00

Text-books used in Senior class:

Bispham's Equity.....	5 00
Taylor's Private Corporations .....	5 00
Parsons' Partnership.....	5 00
Sayles' Real Estate Laws of Texas.....	6 00
Richards' Insurance .....	5 00
Bigelow's Bills, Notes, and Checks.....	2 50
Cooley's Constitutional Limitations.....	5 00
Roberts' Our Federal Relations .....	1 00
Woolsey, International Law.....	2 50

At heretofore indicated, changes may be made in the text-books used in the study of the subject of Torts and Sales. Reference books are furnished by the University. Most of the books used in the graduate class are also furnished by the University. Huffcut on Agency, which may be introduced in the Junior year, will cost about \$3.00. The subject of Real Estate Law may be taught without a text-book.

FEES.—Matriculation fees and library deposits have been mentioned. There are no examination, diploma, or other fees except as specifically indicated.

Catalogues may be obtained by addressing the Proctor of the University. If information is desired concerning any matter not mentioned herein, either of the Professors of Law may be addressed at Austin.

# CATALOGUE OF STUDENTS

## IN THE

### DEPARTMENT OF LAW.

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#### GRADUATES.

Name.	Residence.
Von Struve, Henry Clay.....	Shovel Mount.
(B. LL., University of Texas.)	

#### SENIORS.

Andrews, Jesse .....	Waterproof, La.
(B. Lit., University of Texas.)	
Baker, Rhodes Semmes.....	San Angelo.
Boner, Walter Lee.....	Aubrey.
Bowser, David Watt.....	Dallas.
Doom, David Houston.....	Austin.
Ford, Thomas Cheatham .....	Houston.
Faulk, John Henry.....	Austin.
Harkey, Walter George..	Russelville, Ark.
(B. A., University of Texas.)	
Haskell, Benjamin Grayson.....	Stockdale.
Jones, Frank Cameron.....	Bonham.
(B. A., Richmond College, Va.)	
Jones, Knox.....	Gonzales.
Kearby, Jay Wills .....	Dallas.
(Dallas High School.)	
Kimbrough, W. H.....	Austin.
(A. B., Carson College, Tenn.)	
Knight, William Yancey .....	De Kalb.
(B. S., Mississippi Normal Institute.)	
Kopperl, Moritz Allan.....	Austin.
Lowrance, Fred Herndon.....	Oak Cliff.
(A. B., Austin College, Texas.)	

Names.	Residence.
McDade, Keet.....	Hempstead.
Meacham, James McDonald.....	Anderson.
Moore, Eugene Alexander.....	Eddy.
(Sam Houston Normal.)	
O'Keefe, John Arthur Patrick.....	Honey Grove.
(A. B., St. Mary's College, Kansas.)	
Patterson, James McQuesne.....	Round Rock.
Ragsdale, John Henry.....	San Marcos.
(A. B., Coronal Institute.)	
Render, Samuel Peyton.....	Fort Worth.
(Ph. B. and A. M., West College, Kentucky.)	
Rentfro, Robert Byron.....	Brownsville.
Ross, Thomas Gordon.....	Alvarado.
Saner, Robert E. Lee.....	Austin.
Schenck, Walter Francis.....	Iredell.
(B. Sc., Centenary College, Texas.)	
Schwartz, Sam.....	Hallettsville.
Shapard, Robert Sumner.....	Austin.
(Austin High School.)	
Sllaughter, Edgar Dick.....	Dallas.
(B. Lit., University of Texas.)	
Spivey, John Wesley.....	Austin.
Stark, Victor Hoy.....	Orange.
Stone, Thomas Hampton.....	Jasper.
Terrell, John Lawrence.....	Fort Worth.
(A. B., Randolph-Macon, Virginia.)	
Thomas, Covey C.....	Cotulla.
Todd, Jefferson Davis.....	Austin.
(M. Accts., St. Edwards College, Texas.)	
Trigg, Daniel Monroe.....	Lockhart.
Wheeler, James Thomas.....	Parvin.
Whitaker, Jesse Averitt.....	Galveston.
Wilson, Joseph Albert.....	Douglasville.
Wilson, James Clifton.....	Mineral Wells.
Wolf, Tom Morton.....	Cameron.
(Cameron High School.)	



## JUNIORS.

Names.	Residence.
Abbott, Elisha Gee.....	Hillsboro.
(B. C. E., A. and M. College, Texas.)	
Alexander, William Little.....	Meridian.
Atchley, Arthur Calvin .....	Oak Cliff.
(A. M., Southwestern University, Texas.)	
Ayres, Newton .....	Bowie.
Bailey, Samuel Foster.....	Petty.
Blanton, Thomas Lindsay.....	Austin.
(LaGrange High School.)	
Bishop, Henry Dickinson.....	Devine.
Brown, Neal Anderson.....	San Saba.
Brown, Owen Nell.....	Austin.
(A. B., Davidson College, North Carolina.)	
Browne, Calhoun Metz.....	Austin.
(Austin High School.)	
Carter, George Hardeman .....	Marlin.
Caruthers, Robert L.....	Sherman.
(B. Lit., University of Texas.)	
Caven, David B.....	Dallas.
Clarke, James Stewart .....	Boerne.
Crawford, Walter Joshua.....	Austin.
(B. A., University of Texas.)	
Creswell, Frank .....	San Antonio.
Cuneo, Anthony Eugene .....	Austin.
Dabney, Ward .....	Bonham.
(B. S., University of the South, Tennessee.)	
Donalson, Walter Pierce.....	San Marcos.
(Coronal Institute.)	
Edwards, Walter Phillip.....	Stockdale.
(Coronal Institute.)	
Eldridge, Rupert.....	Brenham.
(Brenham High School.)	
Elrod, Albert J.....	Rutherford, Tenn.
Espy, Walter Wakefield.....	Dothan, Ala.
Fennell, Alonzo.....	Hillsboro.
Fly, David Harper .....	Hondo.
Fowler, Edwin Reese .....	Palestine.
(B. C. E., A. and M. College, Texas.)	

Names.	Residence.
Getzendaner, Frank Marshall .....	Waxahachie.
(B. A., Kansas Normal, Kansas.)	
Grempeczynski, George Edward Oscar .....	Galveston.
(Ball High School.)	
Gresham, Walter, Jr. ....	Galveston.
Hancock, Curtis.....	Abilene.
(Abilene High School.)	
Hancock, William Pitt.....	Palmer.
(Waxahachie High School.)	
Harper, William Jefferson .....	Hondo.
Harris, Walter Reynolds .....	Gainesville.
Hatchett, Jesse.....	Hallettsville.
Hearne, William Garlington.....	Austin.
Heilbron, Albert Edward.....	San Antonio.
Helm, Sam Johnson .....	Corsicana.
(Corsicana High School.)	
Henderson, Benjamin Franklin .....	Atlanta.
Hill, Leonidas Edwin .....	Galveston.
Hogg, Will C .....	Austin.
(Summer Hill High School.)	
Holman, Louis Walton .....	Belton.
(Belton Male Academy.)	
House, Julius F .....	Dallas.
Hubbard, Robert M.....	Paris.
(University of Virginia.)	
Huberich, Charles Henry.....	San Antonio.
Johnson, Alex Chalmers.....	Austin.
Jones, James Slaughter .....	Smithville.
(Virginia Military Institute.)	
Jones, J. W.....	Nocona.
Jones, William D. C.....	Belmont.
(B. S., Southwestern University, Texas.)	
Jordan, Harry Philip.....	Beaumont.
(B. C. E., A. and M. College, Texas.)	
Kahn, Henry.....	Gainesville.
(Gainesville High School.)	
Kassel, Charles.....	Gainesville.
Keeling, Walter Angus.....	Kosse.
Knight, Thomas Emmett.....	Black Jack Grove

Names.	Residence.
Lempert, William Gregory.....	Marfa.
Llewellyn, Julian.....	Durango.
Louis, Benjamin Franklin.....	Marlin.
(B. Lit., University of Texas.)	
Lowry, Chancy Porter.....	Bryan.
(Bryan High School.)	
Manning, Walter.....	Bellville.
Matthews, James B.....	Chappell Hill.
McCall, Uriah Carl von Linnaeus.....	Kansas City, Mo.
(Kansas City High School.)	
McClendon, James Wooten.....	Laredo.
(B. Lit., University of Texas.)	
Miller, William Nelson.....	Llano.
Mills, John Sloan.....	Linden.
Moore, Victor Cloud.....	Austin.
Morris, Robert.....	McLeansboro, Ill.
Morrison, Henry Oran.....	Hico.
Moursund, Anton Norwall.....	Fredericksburg.
Myers, Lem.....	Alvarado.
Newton, Francis Richards.....	San Antonio.
Page, Paul De Witt.....	Bryan.
Painter, James Harry.....	Galveston.
(Ball High School.)	
Reasor, Edgar.....	Denison.
Reese, George Baker.....	Sheffield, Ala.
Riddel, Richard Tilden.....	Ranger.
Riley, Joseph Washington.....	Hope, Ark.
(B. A., Ouchita Baptist College, Arkansas.)	
Robinson, John David.....	Bartlett.
Rogers, Ulysses Beulah.....	Pine Grove.
Ross, Orus Orpheus.....	Pilot Point.
(B. A., Franklin College.)	
Rowe, Pleasant Reid.....	Moscow.
Rush, Carlos Aubrey.....	Dallas.
Saner, John Crawford.....	Austin.
Scott, Ross Marion.....	Dallas.
(A. B., Add Ran University, Texas.)	
Sheppard, Morris.....	Pittsburg.
(B. A., University of Texas.)	

Names.	Residence.
Shipp, William Saunders .....	Temple.
(Thomas Arnold High School.)	
Sholars, Samuel Wallace .....	Orange.
Shuford, Claude Alexander .....	Tyler.
Sims, Lewis Granville, Jr. ....	Temple.
(Temple High School.)	
Smith, Branch .....	Austin.
(B. S., University of Texas.)	
Smith, Joe Pettit .....	Gober.
Smith, William Andrew .....	San Saba.
Stacy, William Henry .....	Austin.
Stephenson, Charles .....	Austin.
Tobin, John William .....	Austin.
Trulove, Otis .....	Alvarado.
(A. M., Southwestern University, Texas.)	
Turner, Robert Franklin .....	Monroe, N. C.
Walker, Edward Anthony .....	Galveston.
(Mount Pleasant, Illinois, Normal.)	
Watkins, Homer .....	Galveston.
Weatherly, Thomas Edward .....	Yoakum.
Wilcox, David William .....	Georgetown.
(B. S., Southwestern University, Texas.)	
Wilson, Eugene Joseph .....	San Antonio.
Yesner, Leon M. ....	Sulphur Springs.
(Staunton Military Academy, Virginia.)	

## SUMMARY.

Graduates .....	1
Seniors .....	42
Juniors .....	101
Total .....	144

# GRADUATES OF THE UNIVERSITY

## IN THE

### DEPARTMENT OF LAW.

Names marked † are those of deceased Alumni.

#### MASTERS OF LAW.

Name.	Yr.	Occupation.	Residence.
Clark, Charles C. ....	1895	Lawyer .....	Dallas.
Gordon, William Andrew...	1895	..do .....	Austin.
Henderson, John Hopkins †	1894	.....	
Nunn, William Henry.....	1895	Lawyer .....	Taylor.
Rea, Alec.....	1895	..do .....	Dallas.

#### BACHELORS OF LAW.

Name.	Yr.	Occupation.	Residence.
Abbott, Elijah Coleman ....	1890	Lawyer .....	Willis.
Allen, Fred Edward.....	1888	City attorney...	San Angelo.
Allen, Stanton .....	1894	Lawyer .....	Georgetown.
Andrews, Richard Warren..	1884	..do .....	Waco.
Andrews, Tom.....	1887	..do .....	McKinney.
Armstrong, Geo. W.....	1886	County judge...	Fort Worth.
Arnold, Jasper Henry.....	1890	County attorney	Gatesville.
Astin, James Robert .....	1887	Lawyer .....	Dallas.
Atwell, William Hawley....	1891	..do .....	Dallas.
Baldwin, Jacob Chester ....	1888	..do .....	Haskell.
Baldwin, James Monroe....	1893	..do .....	Windom.
Ball, Frank Mitchell .....	1890	..do .....	Texarkana.
Ballew, William Wallace ...	1887	..do .....	Corsicana.
Barber, William Gilbreth...	1889	City attorney...	San Marcos.
Barron, Luther Wiggins ...	1889	Lawyer .....	Rusk.
Bartlett, Zenus Wilson.....	1890	..do .....	Marlin.

GRADUATES OF THE UNIVERSITY—*continued.*

Name.	Yr.	Occupation.	Residence.
Bates, William David .....	1891	Lawyer .....	Corsicana.
Batts, Robert L. ....	1886	Prof. U. of T. ...	Austin.
Beall, James Andrew .....	1890	Sentr., 24th Leg.	Waxahachie.
Bean, B. F. ....	1888	Lawyer .....	Groveton.
Bell, S. B. ....	1888	..do. ....	San Antonio.
Belsterling, Edwd. Anthony	1895	..do. ....	Dallas.
Bond, William Monroe .....	1888	..do. ....	Hughes Spr'gs
Boyce, William .....	1893	..do. ....	Taylor.
Bradshaw, C. J. ....	1886	.....	.....
Brady, John Wilfred .....	1891	Lawyer .....	Austin.
Brame, Todd Lafayette .....	1884	City attorney...	Sherman.
Branch, Elbert Clinton .....	1888	Lawyer .....	Nacogdoches.
Brooks, Moses Lycurgus ..	1891	..do. ....	Beaumont.
Brooks, Victor Lee .....	1892	Instr. in Law, U. of T.	Austin.
Brown, Perrie Walter .....	1889	Lawyer .....	Palestine.
Brueggerhoff, William .....	1890	..do. ....	Austin.
Buchanan, James Paul . . .	1889	County attorney	Brenham.
Buffington, Thomas Patrick.	1892	Lawyer .....	Houston.
Bumpass, Ed R. ....	1888	..do. ....	Terrell.
Burges, William Henry, Jr.	1889	..do. ....	El Paso.
Burleson, Albert Sidney ....	1884	Dist. attorney..	Austin.
Burns, James Columbus .....	1885	Lawyer .....	Goliad.
Caldwell, John Henry .....	1891	..do. ....	Austin.
Calhoun, G. ....	1886	County attorney	Austin.
Camp, Thomas Lamar .....	1889	Lawyer .....	Dallas.
Carlock, Thomas Wells. . .	1892	..do. ....	Paris.
Carroll, Benajah Harvey ..	1894	Minister .....	Colorado City.
Clark, Charles C. ....	1894	Lawyer .....	Dallas.
Clark, Ross L. ....	1895	..do. ....	Dallas.
Clement, William Robbins ..	1894	..do. ....	Houston.
Carter, Clarence L. ....	1892	..do. ....	Bonham.
Cloud, Joseph Walker .....	1891	..do. ....	Austin.
Cobb, John Henry .....	1884	..do. ....	Wichita Falls.
Cocke, John Walter, Jr. ....	1895	..do. ....	Waco.
Coleman, John Milam .....	1885	..do. ....	Houston.
Coopwood, Bethel, Jr. ....	1885	..do. ....	San Diego.
Corwin, Walter Bart. ....	1890	..do. ....	Kansas City, K.
Cowart, Thomas Edward .....	1892	..do. ....	San Jose, Cal.
Cox, Walter Elias .....	1890	..do. ....	San Antonio.
Crane, Royston Campbell ..	1886	..do. ....	Roby.
Crank, William Henry, Jr. .	1890	..do. ....	Houston.
Crawford, Richard Eddins ..	1892	County attorney	Mason.
Crook, William Wiles .....	1893	Lawyer .....	Hempstead.
Culver, Albert Henry .....	1890	..do. ....	Sherman.
Cummins, Humboldt Hunter	1894	..do. ....	Denison.

GRADUATES OF THE UNIVERSITY—*continued.*

Name.	Yr.	Occupation.	Residence.
Cunningham, Henry Allan..	1893	Lawyer .....	Bonham.
Dabney, L. M. ....	1887	..do.....	Dallas.
Dabney, S. B. ....	1887	..do.....	Victoria.
Darwin, Robert.....	1894	..do.....	Thornton.
Davenport, Robert Eugene..	1890	..do.....	Mount Vernon
Davis, Franklin Coley.....	1893	..do.....	Jacksonville.
Davis, Marcus Welden.....	1895	..do.....	San Antonio.
Dawson, Nicholas A. ....	1888	..do.....	Austin.
Dennis, John Henry Huteb- ings.	1893	..do.....	Wharton.
Denton, George N. ....	1893	..do.....	Waco.
De Pew, Orvis Gregory.....	1892	..do.....	Waco.
Dittmar, Charles.....	1892	..do.....	San Antonio.
Dockray, Walter Hiram.....	1892	..do.....	..do.....
Dohoney, Albert Peyton.....	1889	..do.....	Paris.
Doughty, L. ....	1888	..do.....	..do.....
Douthit, Ellis .....	1891	..do.....	Sweetwater.
Dudley, W. Sherwood.....	1894	..do.....	Dallas.
Earle, John Bayliss.....	1890	..do.....	Waco.
Eddins, E. M. ....	1888	..do.....	Waco.
Estes, William Lee.....	1893	..do.....	Texarkana.
Fairris, George S. ....	1888	..do.....	Alto.
Farrar, Simon Bowden.....	1890	..do.....	Waxahachie.
Felder, Thomas Elliott.....	1889	..do.....	Brenham.
Ferrell, C. C. ....	1887	..do.....	Anson.
Feuille, Frank .....	1886	..do.....	Brownville.
Fiset, Frank .....	1886	..do.....	Austin.
Fisher, Charles James .....	1889	..do.....	Austin.
Fisher, Lewis .....	1895	..do.....	Galveston.
Fisher, O. ....	1886	..do.....	..do.....
Gano, Maurice Dudley .....	1889	..do.....	Dallas.
Garrett, William Beverly...	1885	..do.....	Brenham.
Garrison, John Thomas .....	1890	..do.....	Center.
George, J. W. ....	1887	..do.....	Dallas.
Gibson, Andrew J. ....	1886	..do.....	Austin.
Gillespie, Charles James .....	1890	..do.....	Kerrville.
Gillis, Walter .....	1886	District judge..	Del Rio.
Goeth, Conrad Alexander...	1890	Lawyer .....	San Antonio.
Goggin, James Mann .....	1887	County judge..	Eagle Pass.
Goff, Fred Lenoir .....	1893	Lawyer .....	Austin.
Goodrich, William Franklin.	1886	..do.....	Hemphill.
Goodwin, Osce.....	1885	..do.....	Waxahachie.
Gordon, William Andrew...	1894	..do.....	Austin.
Graham, Augustus B. ....	1888	..do.....	Corsicana.
Graham, James Andrew .....	1887	..do.....	Fort Worth.
Granberry, Marcus Collier..	1889	..do.....	Austin.

GRADUATES OF THE UNIVERSITY—*continued.*

Name.	Yr.	Occupation.	Residence.
Green, John M.....	1886	Lawyer .....	Yoakum.
Gregory, Thomas Watt....	1885	..do.....	Austin.
Grobby, Chris Robert .....	1894	.....	.....
Gross, William Grant.....	1886	Lawyer .....	Childress.
Hair, William Wilbern .....	1890	..do.....	Belton.
Hale, Owen Pickett .....	1885	..do.....	Paris.
Hall, Robert Walker .....	1886	..do.....	Vernon.
Hamer, James Pleasant, Jr..	1895	..do.....	Austin.
Hamilton, Arthur Claude...	1894	..do.....	Laredo.
Hamilton, James Robert...	1885	..do.....	Austin.
Harding, William Lawrence	1884	..do.....	Waxahachie.
Hardison, Leslie Lewis....	1893	..do.....	Paris.
Hargrave, J. H. ....	1888	..do.....	Greenville.
Harper, Henry Hughes....	1889	..do.....	Bonham.
Harris, V. B.....	1885	..do.....	Quitman.
Harris, William Pinkney...	1890	City attorney ..	Gonzales.
Harris, William Thompson.	1891	Lawyer ...	Wichita Falls.
Harrison, James Anderson..	1889	City attorney ..	Waco.
Hart, William DeNormandie	1895	Lawyer .....	Austin.
Harvey, John Dixon .....	1893	..do.....	Hempstead.
Hawkins, Frank Lee .....	1889	..do.....	Waxahachie.
Hay, William Lynn .....	1894	..do.....	Sherman.
Hayes, William Norman. .	1892	..do.....	Tyler.
Hayes, Vaulter Bordeau....	1894	..do.....	.....
Heffner, G. E. †.....	1886	.....	.....
Henderson, Theodore L....	1886	Lawyer .....	Corpus Christi
Henderson, Tom .....	1891	Dept. clerk.....	Austin.
Henry, Robert L. ....	1887	Lawyer .....	Waco.
Hertzberg, Hans Reginald	1892	..do.....	San Antonio.
Rudolph.			
Hicks, Edwin Marshall....	1888	..do.....	San Antonio.
Hicks, Richard Yale.....	1892	..do.....	San Antonio.
Hightower, Lewis Buckner.	1895	..do.....	Cleveland.
Hilbrandt, Wm. Washington	1895	..do.....	Mooreville.
Hill, Lucien A.....	1891	..do.....	Austin.
Holman, William Shields...	1893	..do.....	La Grange.
Hood, Richard Bartow .....	1892	..do.....	Weatherford.
Hopkins, Sam Houston....	1892	..do.....	Gonzales.
Hough, Samuel .....	1887	..do.....	Leaky.
Hovencamp, Thomas Dick..	1885	..do.....	Birdville.
Hufford, George Benjamin.	1890	..do.....	San Diego.
Hull, Edwin Alonzo.....	1884	..do.....	Carthage.
Hunt, William Sperry.....	1894	..do.....	Houston.
Ingraham, Francis La Fayette.†	1889	.....	.....
Jack, J. W. †. ....	1887	.....	.....



GRADUATES OF THE UNIVERSITY—*continued.*

Name.	Yr.	Occupation.	Residence.
Jackson, A. L.....	1888	Lawyer.....	La Grange.
Jester, Charles Lee.....	1893	..do.....	Corsicana.
Johnson, Claude Friend...	1895	..do.....	Waco.
Johnson, Robert Lloyd...	1889	..do.....	Fairfield.
Jones, Wiley Carter.....	1893	..do.....	Marlin.
Kemble, Edgar Poe.....	1889	..do.....	Waxahachie.
Kennedy, Osborne.....	1886	..do.....	Groesbeeck.
Kerr, John Abness.....	1893	..do.....	Flatonina.
Kidd, Clarence Culwell....	1891	..do.....	St. Louis, Mo.
Killian, James Rumney....	1893	..do.....	San Marcos.
Kimbrough, William Caleb.	1888	..do.....	Dallas.
Kirkpatrick, John Henry...	1892	..do.....	
Knight, Robert E. Lee.....	1889	..do.....	Dallas.
Lackey, Samuel Cabell....	1889	County attorney	Cuero.
Lamkin, James Caldwell...	1895	Lawyer.....	Luling.
Lee, Tom J.....	1894	..do.....	Waco.
Lemley, William Steele....	1895	..do.....	Temple.
Letzerich, Charles Henry...	1893	..do.....	La Grange.
Lewis, Howard Franklin...	1892	..do.....	Hillsboro.
Lewis, Yancey.....	1885	Federal judge..	Ardmore, I. T.
Lewright, James Bruce....	1889	Lawyer.....	Fort Worth.
Lightfoot, Robert Duncan..	1888	..do.....	Paris.
Llewellyn, Nathaniel Jones.	1893	..do.....	Durango.
Lobban, Washington Patrick	1895	..do.....	San Antonio.
Lockett, Robert Rand.....	1889	Asst. Atty. Gen.	Austin.
Lockwood, John Steven....	1894	Lawyer.....	San Antonio.
Long, Parke Custis.....	1893	..do.....	Commerce.
Love, William Graston....	1889	..do.....	Houston.
Mahan, John J.....	1889	..do.....	Hempstead.
Mann, Wirt.....	1891	..do.....	Dallas.
Martin, F. C.....	1888	City attorney...	Seymour.
Masterson, Branch Tanner, Jr	1893	Lawyer.....	Galveston.
Mathis, John William.....	1895	..do.....	Denison.
Maxwell, Jessie Wallace....	1892	..do.....	Austin.
McConnell, H. G.....	1886	..do.....	Haskell.
McCracken, Oscar Alpheus.	1893	..do.....	Floresville.
McDonald, Wm. Lafayette..	1886	..do.....	Dallas.
McFall, David Alexander....	1891	County judge...	Austin.
McGown, William Carroll..	1889	Dist. attorney..	El Paso.
McKamy, William C.....	1887	Lawyer.....	Dallas.
McLean, John Hiram.....	1888	..do.....	Llano. [D. C.
McLean, McKensie Marvin....	1890	Clerk.....	Washington.
McLean, William Pinckney..	1895	Lawyer.....	Mt. Pleasant.
McMahan, James Brooks....	1890	..do.....	Temple.
McNutt, Joe Yell.....	1893	..do.....	Franklin.
Middlebrook, Robert M....	1893	..do.....	Waco.

GRADUATES OF THE UNIVERSITY—*continued.*

Name.	Yr.	Occupation.	Residence.
Miller, Clarence H.....	1886	Lawyer .....	Austin.
Miller, Massie William.....	1890	..do.....	Dallas.
Moore, A. E. ....	1886	..do.....	Llano.
Moore, Frank.....	1890	..do.....	Houston.
Moore, Fred West.....	1890	..do.....	Corpus Christi
Moore, John Wright.....	1892	..do.....	La Grange.
Moore, William Folsom ....	1892	Mem. 24th Leg..	Blossom.
Moore, William Longstreet.	1892	County surveyor	Marfa.
Moore, W. W. ....	1888	Lawyer .....	Austin.
Mounts, Providence.....	1893	..do.....	Denton.
Morin, John S. ....	1894	..do.....	Brackettsville.
Munson, Joseph Waddy ....	1888	..do.....	Columbus.
Munson, M. S. ....	1888	..do.....	Galveston.
Munson, Walter Bascom....	1888	..do.....	Houston.
Moseley, W. E. † .....	1885	.....	.....
Myer, Sterling Nelson.....	1895	Lawyer .....	Houston.
Myers, John Henry .....	1895	..do.....	Hallettsville.
Nelms, Hayne. ....	1894	..do.....	Ardmore, I. T.
Newton, Franklin McMillan	1886	City attorney..	Greenville.
Newton, Tompkins Jones ...	1895	Lawyer .....	San Antonio.
Neyland, William Anderson	1891	..do.....	Livingstone.
Nichols, Joseph Francis....	1893	..do.....	Greenville.
Nixon, Harrison Askey†....	1889	.....	.....
Nunn, William Henry.....	1894	Lawyer .....	Taylor.
O'Brien, George C.....	1886	..do.....	Beaumont.
Oeland, Isaac R. ....	1887	..do.....	Dallas.
O'Quinn, William Bolen....	1895	..do.....	.....
Parker, Alexander Jackson.	1892	County attorney	Karnes City.
Parker, Edwin Brewington..	1889	Lawyer .....	Houston. [Y.
Patrick, Albert T. ....	1886	..do.....	New York, N.
Patterson, Burette Winston.	1893	..do.....	Cisco.
Peeler, Anderson James, Jr.	1885	County attorney	Rockport.
Pendleton, David Ramsey...	1890	Lawyer .....	Belton.
Perry, Turner Howard.....	1889	..do.....	Corpus Christi
Peticolas, Warner Marion...	1893	..do.....	Victoria.
Phelps, Edgar Sanford ...	1895	..do.....	Houston.
Pleasants, Robert Atkinson.	1884	City attorney..	Cuero.
Poer, J. M. ....	1888	Lawyer .....	Austin.
Pool, Robert Benjamin.....	1892	..do.....	Cameron.
Pope, G. E. ....	1888	County attorney	Goliad.
Porter, Eugene Eaton.....	1892	Teacher .....	Merle.
Porter, Rufus Choate.....	1886	Lawyer .....	Dallas.
Posey, Sidney Marks.....	1892	..do.....	Austin.
Powell, William Blount....	1888	..do.....	Jasper.
Proctor, Venable Bland ....	1885	..do.....	Cuero.
Provine, Charles C.....	1893	..do.....	Austin.

GRADUATES OF THE UNIVERSITY—*continued.*

Name.	Yr.	Occupation.	Residence.
Ragsdale, James William...	1892	Lawyer .....	Hallettsville.
Randolph, Halbert Cyrus...	1885	..do.....	Coleman.
Rector, J. Bouldin .....	1895	..do.....	Austin.
Reeves, Robert.....	1892	..do.....	Oletha.
Rhea, Alec.....	1894	..do.....	Dallas. [Va.
Robertson, John Charles...	1894	Student U. of Va	Charlottesville,
Robertson, William F.....	1886	Lawyer .....	Taylor.
Ross, Shapley Prince .....	1890	..do.....	Waco.
Roy, R. E. Lee. ....	1894	Mem. 24th Leg..	Fort Worth.
Rucker, William Garland...	1887	Lawyer .....	Groesbeeck.
Samuels, Sidney Lionel....	1890	..do.....	Fort Worth.
Sanford, Allan Douglass ..	1893	..do.....	San Antonio.
Sanford, John Richard .....	1895	..do.....	
Schleicher, William Young.	1893	..do.....	Houston.
Scott, Edward Alexander...	1890	County attorney	Navasota.
Scott, Moran .....	1885	U. S. Comm....	Ardmore, I. T.
Seale, John Harrison.....	1893	Lawyer .....	Marlin.
Seelgson, Arthur William..	1890	..do.....	San Antonio.
Sharp, John Minor .....	1893	..do.....	Belton.
Shaw, Charles Hammond...	1890	..do.....	
Shearon, Thomas .....	1887	..do.....	Decatur.
Shelley, George Elgin .....	1894	..do.....	Austin.
Shirley, Zach Madison .....	1891	City judge .....	McKinney.
Short, Howard Earle.....	1893	Lawyer .....	Seguin.
Skeen, Eugene Oren †.....	1891		
Simmons, David Edward...	1892	Mem. 24th Leg.	Sherman.
Slator, Matthew Damon....	1889	Lawyer .....	Llano.
Smith, Emmett Werter .....	1892	..do.....	Nacogdoches.
Smith, George Russell .....	1884	..do.....	McKinney.
Smith, James Newton .....	1891	..do.....	Austin.
Smith, James Young .....	1892	..do.....	Fort Worth.
Smith, John W. B.....	1894	..do.....	Sherman.
Smith, Leroy Albert.....	1891	..do.....	Fort Worth.
Smith, W. J. J.....	1887	..do.....	Dallas.
Smith, Wiley McElroy .....	1885	County attorney	Matador.
Spencer, John Thomas .....	1895	Lawyer .....	
Stauniforth, Sidney Mans- field.†	1884		
Stephens, Isaac Newton ...	1895	Lawyer .....	Hillsboro.
Stephens, Walter Oliver ...	1895	..do.....	Honey Grove.
Sterne, Andrew Goodwin ...	1889	..do.....	Rio Grande
Stone, John Stephen .....	1884	..do.....	Paris. [City.
Stoneham, Henry Bryant...	1887	..do.....	Fort Worth.
Storts, C. C.† .....	1886		
Stubblefield, John R.....	1894	Lawyer .....	Eastland.
Supple, Charles Michael...	1889	..do.....	Waxahachie.

GRADUATES OF THE UNIVERSITY—*continued.*

Name.	Yr.	Occupation.	Residence.
Thomas, Benj. Claiborne . . .	1894	Lawyer . . . . .	Ardmore, I. T.
Thomas, Cullen Fleming . . .	1891	Mem. 24th Leg.	Waco.
Thomas, Marshall . . . . .	1895	Lawyer . . . . .	Dallas.
Thompson, William . . . . .	1887	..do . . . . .	Dallas.
Todd, Van Dyke . . . . .	1892	County attorney	Jefferson.
Tolbert, Emory . . . . .	1892	Lawyer . . . . .	Sherman.
Vandenberge, Joseph V. . . .	1889	County attorney	Victoria.
Vaughan, Thomas J. . . . .	1887	Lawyer . . . . .	Paris.
Vining, Will Lee . . . . .	1884	Clk. Ct. Civ. App.	Austin.
Von Struve, H. C. . . . .	1894	Student U. of T.	Austin.
Walker, Alexander S., Jr. . . .	1886	Lawyer . . . . .	Austin.
Walker, Robert Clark . . . . .	1884	..do . . . . .	Austin.
Wallace, Eugene Aldrich . . .	1891	City attorney . .	Rockdale.
Wear, William Clayton . . . .	1885	Lawyer . . . . .	Hillsboro.
Weaver, Claude . . . . .	1887	..do . . . . .	Gainesville.
West, Robert Edward . . . . .	1892	..do . . . . .	Coryell.
White, M.† . . . . .	1888		
Wilcox, F. E. . . . .	1887	Editor . . . . .	McKinney.
Wilkinson, William Warren . .	1893	Lawyer . . . . .	Fort Worth.
Willett, Gilbert Bee† . . . . .	1884		
Williams, John A. . . . .	1887	Lawyer . . . . .	Colfax, La.
Williams, Ludwell Taylor . . .	1889	..do . . . . .	Waco.
Williams, Newton Barbour . . .	1891	..do . . . . .	Lorena.
Williams, N. M. . . . .	1887	..do . . . . .	La Grange.
Williamson, James Doughty . .	1894	..do . . . . .	Waco.
Wilson, W. H. . . . .	1888	..do . . . . .	Houston.
Woolworth, James G. . . . .	1895	..do . . . . .	
Wurzbach, William August . . .	1890	Mem. 24th Leg.	San Antonio.
Wynn, Thomas Carson . . . . .	1885	County judge . .	San Angelo.
Yeager, Millard Franklin . . .	1885	Lawyer . . . . .	Wichita Falls.
Young, James . . . . .	1891	..do . . . . .	Kaufman.

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DEPARTMENT OF MEDICINE.

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## FACULTY.

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### FACULTY OF THE SCHOOL OF MEDICINE.

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J. F. Y. PAINE, M. D.,  
*Professor of Obstetrics and Gynecology, and Dean of the Faculty.*

H. A. WEST, M. D.,  
*Professor of the Principles and Practice of Medicine, and of  
Clinical Medicine.*

EDWARD RANDALL, M. D.,  
*Professor of Materia Medica and Therapeutics.*

A. G. CLOPTON, M. D.,  
*Professor of Physiology and Hygiene.*

WILLIAM KEILLER, F. R. C. S., ED.,  
*Professor of Anatomy.*

ALLEN J. SMITH, A. M., M. D.,  
*Professor of Pathology.*

J. E. THOMPSON, B. S., M. B. (London), F. R. C. S., Eng.,  
*Professor of Surgery.*

S. M. MORRIS, B. SC., M. D.,  
*Professor of Chemistry and Toxicology.*

R. R. D. CLINE, PH. G.,  
*Professor of Pharmacy.*

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### LECTURERS:

EDWARD RANDALL, M. D.,  
*Lecturer on Physical Diagnosis.*

## UNIVERSITY OF TEXAS.

ALLEN J. SMITH, A. M., M. D.,  
*Lecturer on Mental and Nervous Diseases.*

HENRY P. COOKE, M. D.,  
*Lecturer on Diseases of Children.*

GEORGE H. LEE, M. D.,  
*Lecturer on Diseases of the Skin.*

GEORGE P. HALL, M. D.,  
*Lecturer on Diseases of the Eye and of the Ear, Nose, and Throat.*

DAVID CERNA, M. D., PH. D.,  
*Lecturer on the History of Medicine.*

HON. ROBERT G. STREET, B. A.,  
*Lecturer on Medical Jurisprudence.*

CARY H. WILKINSON, M. D.,  
*Lecturer on Clinical Surgery.*

I. M. CLINE, M. D.,  
*Lecturer on Climatology.*

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THOMAS FLAVIN, M. D.,  
*Demonstrator of Anatomy.*

DAVID CERNA, M. D., PH. D.,  
*Demonstrator of Physiology.*

WILLIAM GAMMON, M. D.,  
*Demonstrator of Normal Histology.*

LOUIS E. MAGNENAT, M. D.,  
*Demonstrator of Chemistry.*



FACULTY OF THE SCHOOL OF PHARMACY.

---

EDWARD RANDALL, M. D.,  
*Professor of Materia Medica.*

SETH M. MORRIS, M. D.,  
*Professor of Chemistry and Toxicology.*

RAOUL R. D. CLINE, PH. G.,  
*Professor of Pharmacy.*

RAOUL R. D. CLINE, PH. G.,  
*Lecturer on Botany.*

---

JAMES P. JOHNSON,  
*Provost of Medical Department, Secretary of the Faculty, and  
Librarian.*

JOHN E. HOOPER,  
*Janitor.*



## SCHOOL OF MEDICINE.

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### FIFTH ANNUAL SESSION.

(1896-1897.)

The first annual session of the Medical Department of the University of Texas began on October 1, 1891, and closed on April 22, 1892.

The fifth annual session opened on Tuesday, October 1, 1895, and will close with appropriate exercises on Friday, May 15, 1896.

A preliminary session, beginning on Monday, September 14, 1896, will be conducted until October 1, 1896, the lectures delivered being arranged as an introductory to the subjects of the regular session.

The next (sixth) regular session will begin on Thursday, October 1, 1896, and continue until the middle of the following May.

The sixth session will be the last session open to matriculates desiring to graduate under the present requirement of three annual sessions for completion of the course; four annual terms will be required for graduation of all students entering after May 15, 1897.

### BUILDINGS AND EQUIPMENT.

The College Building, lately erected in the city of Galveston at great expense, occupies a block of ground situated upon Avenue B, between Ninth and Tenth Streets;

and upon the contiguous block, between Eighth and Ninth Streets, is situated the John Sealy Hospital, the property of the State, and a part of the Medical Department of the University. The medical building is modern and imposing in architecture, and is large and commodious. It contains three large amphitheatres, anatomical, chemical, physiological, pathological, histological, and bacteriological laboratories, museums, library and reading room, faculty room, and officers' rooms, as well as the rooms occupied by the School of Pharmacy. The building is well lighted by windows on all sides, is fitted throughout with gas, and is heated by steam.

The equipment of the various departments of the school, while necessarily as yet incomplete as compared with that of the highest grade of the older institutions, has been and is going on constantly and rapidly, and no efforts will be spared to place the school, its laboratories, museums, and library, upon the highest plane of working excellence. Decided progress in this direction has been made within the past year.

### HOSPITAL FACILITIES.

During the past year there have been treated in the John Sealy Hospital 1080 patients, exclusive of a large number of outdoor patients, who also furnish clinical material for the instruction of the class. The resources for illustration of medical ailments, surgical affections, and accidents and their management, are ample. Daily clinics are given throughout the entire course by members of the Faculty and by special lecturers. Much attention is devoted to bedside instruction, in which students are required to accompany the teachers through the wards and practically acquire the methods of diagnosis and treatment.

The outdoor clinics, which during the past year comprised 2247 patients, have been organized so that each third year student receives the benefit of a period of this clinical work, in its several departments, medicine, surgery, obstetrics and gynecology, and special diseases.

The surgical wards of St. Mary's Infirmary, an excellent hospital under the care of the Sisters of the Incarnate Word, at Market and Eighth streets, two blocks from the College, are also drawn upon for clinical subjects by the Lecturer upon Clinical Surgery.

### PLAN OF INSTRUCTION.

The course of instruction, which is maintained at the highest standard, consists of a full series of systematic lectures from the following chairs: Anatomy, Physiology and Hygiene, Chemistry and Toxicology, *Materia Medica* and Therapeutics, Pathology, Practice of Medicine, Surgery, and Obstetrics and Gynecology, together with the required and appropriate amount of demonstration and practical work. Special lectureships have been created on Physical Diagnosis, Diseases of the Mind and Nervous System, Diseases of Children, Diseases of the Eye, Diseases of the Ear, Throat and Nose, Diseases of the Skin, Clinical Surgery, Medical Jurisprudence, History of Medicine, and Climatology. All of these subjects are treated systematically, and, with the exception of the last three, also clinically. The third year medical students receive practical instruction in the Pharmaceutical Laboratory upon the principal methods of compounding medicines.

The course extends over three years, and is graded as follows:

**FIRST YEAR.**—Systematic lectures upon (1) Osteology and the Anatomy of the Joints and Extremities; (2) Physiology;

(3) Physics and Inorganic Chemistry; (4) *Materia Medica*; (5) The Elements of General Pathology (including Bacteriology and Helminthology); (6) Normal Histology; (7) History of Medicine; (8) Climatology.

Practical work in (1) Anatomy; (2) Normal Histology; (3) Chemistry; (4) Bandaging; (5) Physiology.

SECOND YEAR.—Systematic lectures upon (1) Anatomy of the Trunk and Head; (2) Physiology; (3) Organic and Medical Chemistry; (4) Therapeutics; (5) General Pathology; (6) Practice of Medicine; (7) Surgery; (8) Obstetrics; (9) Physical Diagnosis.

Practical work in (1) Anatomy; (2) Pathological Histology and Clinical Microscopy; (3) Medical Chemistry and Toxicology; (4) Physiology.

Clinical lectures at John Sealy Hospital in General Medicine, General Surgery, the Diagnosis of Pregnancy, cases of Obstetrics.

THIRD YEAR.—Systematic lectures upon (1) Therapeutics; (2) Practice of Medicine; (3) Surgery; (4) Obstetrics and Gynecology; (5) Special Pathology; (6) Hygiene; (7) Medical Jurisprudence; (8) Pediatrics; (9) Dermatology; (10) Mental and Nervous Diseases.

Practical work in (1) Gross Morbid Anatomy and Autopsies; (2) Operative Surgery; (3) Bacteriology; (4) Pharmacy.

Clinical lectures upon (1) Surgery; (2) General Medicine; (3) Obstetrics and Gynecology; (4) Mental and Nervous Diseases; (5) Diseases of the Skin; (6) Diseases of Children; (7) Diseases of the Eye; (8) Diseases of the Ear, Nose, and Throat.

The methods of instruction include systematic lectures, recitations, practical demonstrations, bedside clinics, clinical lectures, and surgical operations.

After the close of the sixth annual session in May, 1897, the course will be extended to four years, and will be graded as follows (the Faculty reserving the right of modification, however, as may be deemed best, without further publication):

*First Year:* Systematic lectures upon (1) Osteology and the Anatomy of the Joints and Extremities; (2) General Biology; (3) Botany; (4) Physics and Inorganic Chemistry; (5) Materia Medica; (6) Elements of General Pathology, including Bacteriology and Helminthology; (7) Normal Histology.

Practical work in (1) Anatomy; (2) General Biology; (3) Botany; (4) Chemistry; (5) Normal Histology; (6) Bandaging and Surgical Dressings.

*Second Year:* Systematic lectures upon (1) Anatomy of Trunk and Head; (2) Physiology; (3) Organic and Medical Chemistry; (4) General Pathology; (5) Physical Diagnosis; (6) Practice of Surgery; (7) Practice of Medicine; (8) Signs of Pregnancy and Normal Obstetrics; (9) Therapeutics.

Practical work in (1) Anatomy; (2) Physiology; (3) Chemistry; (4) Pathological Histology.

Clinical lectures in General Medicine, General Surgery, and the Diagnosis of Pregnancy.

*Third Year:* Systematic lectures upon (1) Surgical and Medical Anatomy and Embryology; (2) Practice of Medicine; (3) Practice of Surgery; (4) Pathological Obstetrics and its Mechanics; (5) Therapeutics; (6) Special Pathology; (7) Climatology; (8) Mental and Nervous Diseases; (9) Hygiene; (10) History of Medicine.

Practical work in (1) Pathological Histology and Clinical Microscopy; (2) Pharmacy.

Clinical lectures upon (1) General Surgery; (2) General

Medicine; (3) Obstetrics and Gynecology; (4) Physical Diagnosis. Cases of Obstetrics.

*Fourth Year:* Systematic lectures on (1) Practice of Medicine; (2) Practice of Surgery; (3) Gynecology; (4) Special Pathology; (5) Mental and Nervous Diseases; (6) Diseases of the Skin; (7) Diseases of Children; (8) Diseases of the Eye; (9) Diseases of the Ear, Nose and Throat; (10) Medical Jurisprudence; (11) Climatology; (12) History of Medicine.

Practical work in (1) Operative Surgery; (2) Gross Morbid Anatomy and Autopsy Making; (3) Bacteriology.

Clinical lectures on Medicine, Surgery, Gynecology, Mental and Nervous Diseases, Diseases of the Skin, Diseases of Children, Diseases of the Eye, Diseases of the Ear, Nose, and Throat.

#### REQUIREMENTS FOR ADMISSION, PROMOTION, AND GRADUATION.

Candidates for admission are required:

(1) To write an essay of about three hundred words in length as a test of orthography and grammar.

(2) To pass an examination in geography, history of the United States, and arithmetic.

The following questions selected from among others in a recent entrance examination will serve to illustrate the general character of the requirements:

##### *Geography.*

1. Name the capitals and the principal cities of the following States of the Union, and other countries: Pennsylvania, California, Georgia, Missouri, South Dakota, Dominion of Canada, Italy, Austria, Japan.



2. A straight line drawn from Galveston to Minneapolis would pass through what States?

3. Locate the following cities: St. Paul, Rochester, Baltimore, Savannah, Tucson, Omaha, Melbourne, Bombay, Pekin, Genoa, Stockholm.

4. Name the principal rivers of the United States flowing into the Atlantic Ocean and Gulf of Mexico.

5. Bound the following States of the Union: Texas, Alabama, Maryland, New York, Oregon.

#### *History.*

1. What was the Mecklenberg Declaration of Independence?

2. For what circumstances in history is Detroit famous?

3. When was the battle of New Orleans fought, who commanded each force, and what was the result of the battle?

4. Name the principal battles of the war of independence, giving date of each and result.

5. Name ten important battles of the late war, dates, names of commanders, and results.

#### *Arithmetic.*

1. Add:  $\frac{1}{8} + \frac{7}{16} + 1\frac{5}{8} + 18\frac{3}{4} =$

2. Divide:  $2\frac{7}{8} \div \frac{7}{16} =$

3. Multiply:  $2.009576 \times 0.167954 =$

4. Divide:  $2.0095 \div 0.167954 =$

5. Reduce: 1 ounce, 3 drachms, 45 grains to metric system of weights.

A candidate who has received a collegiate degree, or passed a matriculate examination of a recognized college, or who has a certificate covering the required subjects from a recognized normal or high school, or a first or second

grade teacher's certificate from the Texas public school system, may enter without examination.

Students presenting diplomas from any school in affiliation with the Main Department of the University at Austin will be admitted to the Medical Department without examination.

Students who have attended one course in a regular medical school are admitted to the second year of the University course upon passing satisfactory examinations in (1) Osteology, Syndesmology, and the general Anatomy of the Extremities; (2) Bandaging; (3) General Chemistry and Physics; (4) *Materia Medica*; (5) the elements of General Pathology (including Bacteriology and Helminthology); (6) Normal Histology; (7) and the Physiology of Nutrition.

Students who have attended two courses in a regular medical college are admitted to the third year on passing satisfactory examinations on General Anatomy, General and Medical Chemistry, *Materia Medica*, Physiology, Normal Histology, General Pathology, Normal Obstetrics, and Bandaging.

Graduates from reputable medical schools desiring to obtain the medical degree from the University of Texas are admitted to the third year class only after passing examinations covering the requirements of the two lower grades; no examination, however, is required where it is not the intention of such graduates of other schools to compete for the degree. Candidates for advanced standing will be required to attain a percentage grade of 75 in all above mentioned examinations.

*Applicants for matriculation who have not attained 21 years of age will be required to exhibit written evidence from parent or guardian that permission from such responsible person has been granted to matriculate.*

The method of grading is in most respects identical with that in use in the Department of Literature, Science, and Arts of this University.

Frequent examinations and recitations are held during the term by each professor upon the subject matter embraced in his course. At the end of the session the average result constitutes the student's term grade. A general examination is also held by each professor in all his classes at the close of the term, upon the matter taught during the session, and the mark obtained by each student is known as his final examination mark.

There are but two grades, designated respectively satisfactory for those who pass, and unsatisfactory for those who fail. The grade "satisfactory" is equivalent to a percentage mark of 60 or over; the grade "unsatisfactory" to any percentage mark less than 60.

A student whose grades for the term and final examination are satisfactory will be allowed to pass to the next class or to graduation.

A student whose grade for the term is satisfactory, but whose final examination grade is unsatisfactory, will be conditioned.

A student whose grade for the term is unsatisfactory will be conditioned.

A student who has been conditioned in any branch must pass satisfactorily an examination upon that subject within one month after the beginning of the next session. To satisfy this condition, a percentage grade of at least 75 must be attained.

Applicants for graduation must be twenty-one, or more, years of age, and must present sufficient evidence of a good moral character. They must pass satisfactorily both oral and written examinations upon the following subjects of the third year course: (1) Practice of medicine, and

its branches; (2) *Materia Medica* and Therapeutics; (3) Surgery, and its branches; (4) Obstetrics and Gynecology; (5) Hygiene; (6) Pathology.

No thesis will be required.

## DEPARTMENTS OF INSTRUCTION.

### ANATOMY.

PROFESSOR WILLIAM KEILLER, F. R. C. S., ED.

THOMAS FLAVIN, M. D., DEMONSTRATOR.

The anatomical course is as practical as it can be made, students dissecting from eight to twelve hours weekly under the constant supervision of the Professor and Demonstrator.

The first year's course includes the whole range of human osteology and arthrology, and the whole anatomy of the extremities, with the brain if time permit.

The second year's course includes the anatomy of the trunk, brain, eye and ear, and the outlines of embryology. One lecture a week on surgical anatomy is delivered to second course students, and surface anatomy is a prominent feature in the examinations. Before entering the second year every student must pass an examination on the first year's work. The whole course is essentially a practical course, supplemented by lectures where necessary.

### SAMPLE EXAMINATION PAPERS.

#### A. *Final Written Examination at End of the Second Year.*

1. Describe the dissection necessary to expose the respiratory tube from the hyoid bone to the sternum. State the relations to each other and to the respiratory passage of the structures exposed.

2. Describe step by step the dissection necessary to expose the whole length of the inguinal canal. Give also the position, dissection, and boundaries of the canal and what it contains, both in the male and female.

3. Tell what you know of the deep and superficial origin of the fifth cranial nerve, and describe fully its superior maxillary division.

4. Give the relation of the middle third of the brachial artery. What veins are in relation with it? What vessels would carry on the circulation in ligature of the brachial artery in the middle third and just above its bifurcation respectively?

*B. Final Written Examination at End of First Year.*

1. What muscles arise from the internal condyle of the humerus by a common tendon? Describe their relative positions and describe one of them fully.

2. How would you expose the first part of the axillary artery? What are its relations? Describe its branches.

3. The wrist joint: (a) What kind of a joint is it and what motions are possible at it? (b) What muscles produce these? (c) At what joint do pronation and supination of the forearm take place? (d) How is the inferior radio-ular joint related to the wrist joint?

PHYSIOLOGY.

PROFESSOR A. G. CLOPTON, M. D.

DAVID CERNA, M. D., Ph. D., DEMONSTRATOR.

Three lectures and two hours of practical demonstration per week are given throughout the term in this department. The instruction includes lectures and recitations,

illustrated with diagrams, charts, and models, as well as laboratory demonstrations.

The Physiological Laboratory, under the supervision of the Professor and direction of the Demonstrator of Physiology, is equipped with the necessary apparatus likely to be used by the practical physiologist. The students are required to work in the laboratory, where they study the general characteristics and chemical properties of blood, food-stuffs, the action of the digestive juices, etc., etc. Demonstrations upon animals are a special feature.

Review examinations are held by the Professor on the subject matter of the lectures.

Facilities are also given to advanced students and graduates desirous of making special studies in physiology or original investigations on the physiological action of drugs. These will be made under the direct supervision of the Demonstrator.

A course of lectures upon Hygiene is delivered during the session to the third year students by the Professor of the department.

The following questions are given as illustrations of the written portions of the examinations:

FIRST YEAR.—1. Give the difference between Potential and Kinetic Energy, and explain each.

2. What is a food?

3. Give an example of a typical food.

4. Describe the characters, composition, and functions of the saliva.

5. What are the glands of the stomach, and what substance does each secrete?

6. Explain the functions of the gastric juice.

7. What are the principles of the pancreatic juice, and give the functions of each.

8. What is the difference between lymph and chyle?

9. Explain the mechanism of absorption.
10. What are the functions of the bile?
- SECOND YEAR.—1. Give the characters and composition of the blood.
2. What are the functions of the corpuscular elements of the blood?
3. Explain the phenomenon of coagulation.
4. What is the difference between lymph and blood plasma?
5. Give the categories of the pulse waves, and explain the causes of each.
6. What do you mean by blood pressure?
7. What is electrotonus?
8. What are forced movements, and name some of the principal ones?
9. What centers form a co-ordinating mechanism for the movements of the eye-ball?
10. What is the difference between alternate and pontine hemiplegia?
11. What is irradiation?
12. What are the functions of the ear ossicles?
13. What are tactile sensations?
14. Name the changes following the section of the seventh nerve.

## CHEMISTRY.

PROFESSOR SETH M. MORRIS, B. Sc., M. D.

LOUIS E. MAGNENAT, M. D., DEMONSTRATOR.

The instruction in this department extends through the first and second years, and is both by lectures and practical demonstrations.

The theoretical teaching of the first year consists of two

lectures per week throughout the term upon Elementary Physics and Inorganic Chemistry, and is supplemented by four hours practical laboratory work each week in Inorganic Chemistry.

Students in the second year receive two lectures per week upon Organic and Medical Chemistry, and work three hours per week in the laboratory in Physiological and Pathological Chemistry and in Toxicology. This practical course in the second year is thorough and systematic, and includes the study of the fats, proteids and carbo-hydrates, qualitative, and, as far as practicable, quantitative analyses of the urine, the various digestive juices, milk and potable waters, and tests for the metallic and non-metallic poisons.

All laboratory work is under the direction of the Professor of the department. This department is equipped with the newest and most improved apparatus for both lecture room and laboratory teaching.

The following were the questions for the written portion of the final examinations of 1892:

FIRST YEAR.—1. Define an element, a compound; state the law of multiple proportions.

2. Mention two ways for the preparation of oxygen gas.

3. Describe tests for chlorides and nitrates each, in drinking water.

4. What can you say of the occurrence of nitrogen in nature; how can the gas be prepared?

5. What is the formula of "laughing gas"? Write the reaction illustrating its preparation.

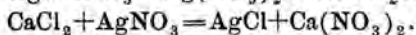
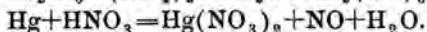
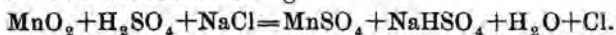
6. Define an acid, a base; what is a primary salt, a secondary salt, a normal salt?

Name the following compounds:

$\text{KHSO}_4$ ,  $\text{NaKC}_4\text{H}_4\text{O}_6$ ,  $\text{Na}_2\text{B}_4\text{O}_7$ ,  $\text{HClO}$ ,  $\text{H}_3\text{PO}_3$ ,  $\text{HgCl}_2$ ,  $\text{Fe}_2\text{Cl}_6$ ,  $\text{MgSO}_4$ .



8. Balance the following:



9. From what sources is iodine derived? Describe two tests for an iodide.

10. Describe the preparation of  $\text{H}_2\text{SO}_4$ , mentioning the reactions that occur; give a test for a sulphate.

11. Give the chemical formulæ for the following substances: Calomel, corrosive sublimate, bismuth subnitrate, acetic acid, potassium bichromate, secondary sodium phosphate, and Epsom salts.

12. Mention some of the ores of iron, and describe in general how the metal is obtained from them.

13. How is KI ordinarily prepared? calomel? write the reactions.

14. Describe the detection and separation of the metals, Ag, Pb, Hg (ous) present in a solution together.

15. Describe the Solvay process for the manufacture of  $\text{Na}_2\text{CO}_3$ ; write the reactions.

SECOND YEAR.—1. Mention the various substances commonly present in the atmosphere.

2. State Avogadro's hypothesis. The specific gravity of a given gas is 22; what is its molecular weight?

3. What is the formula of potassium iodate? How can its presence or absence in the iodide be determined?

4. What is the formula of bleaching powder? Write the reaction illustrating its formation.

5. How may ferrous sulphate be converted into ferric sulphate? Write the reaction.

6. Mention an antidote to arsenic. How prepared? How is the "Liquor Potassii Arsenitis" of the U. S. P. prepared?

7. Describe how you would detect and separate arsenic and antimony when compounds of both metals are present in the same solution.

8. What are the formulæ of bismuth subnitrate and subcarbonate? Write the reactions illustrating their formation.

9. Describe a test for free HCl that can be applied to the gastric juice. Write the reaction that occurs between NaCl,  $\text{MnO}_2$ , and  $\text{H}_2\text{SO}_4$ .

10. Describe as many tests for  $\text{H}_3\text{PO}_4$  as you can. What is the "superphosphate" of the farmer? How is it prepared?

11. What is the algebraic formula for the paraffin series of the hydrocarbons? Of the acetylene series? Of the olefine series?

12. What can be said of the occurrence of marsh gas in nature? How can it be prepared? Write the reaction illustrating the preparation of nitrous ether. Why does the spirit of nitrous ether become markedly acid in reaction after a time?

13. Write the graphic formulæ for the following compounds: Tartaric acid, chloroform, chloral, benzine, naphthalene, carbolic acid, and salicylic acid?

14. How is sulphuric ether prepared? Write the reaction.

15. Describe a test for morphine; for strychnine; for quinine.

16. Describe two tests for albumen and sugar, each, applicable to the urine.

17. What is the formula for cane sugar? For starch? For glucose? Mention several isomeres of each.

## OBSTETRICS AND GYNECOLOGY.

PROFESSOR J. F. Y. PAINE, M. D.

The course in Obstetrics consists of lectures on the signs and diseases of pregnancy, diagnosis of presentations and positions, and the management of the pregnant and puerperal states. The mechanism and practical management of natural and preternatural labors are demonstrated on appropriate manikins. Only second and third year students are admitted to this course, to whom labor cases are assigned in rotation.

Gynecology is presented in its clinical and demonstrative phases. Diagnosis by digital touch, speculum, probe, conjoined manipulation, and other methods is taught, and opportunity afforded students to practice these manipulations. The most approved plans of treating uterine diseases and displacements are exhibited and their relative merits discussed before the class. Frequent ward class demonstrations are given the advanced students, small sections of the class being permitted in the wards at one time, thus insuring personal instruction. Only third year students are admitted to this course, and they act as assistants in the various gynecological operations, which are performed every Saturday in the amphitheatre of the John Sealy Hospital.

The following questions are given as specimens of the written examinations in Obstetrics and Gynecology:

SECOND YEAR.—1. Describe the uterus; its shape, dimensions, regular divisions, structure, and anatomical relations.

2. Give an account of a Graafian follicle, its structure,

and evolution at the approach of puberty; also the changes it undergoes after rupture.

3. Mention the changes in the uterine mucous membrane consequent upon pregnancy; the formation of the decidua; their growth and degeneration.

4. Give a description of the placenta; its structure, form, size, weight, functions, and anomalies.

5. Name the signs of pregnancy in the order of occurrence, and their relative value.

6. Enumerate the more common modifications of the body, and blood changes produced by pregnancy.

7. Describe the foetal head (obstetrically) and name its diameters and their dimensions.

8. Give an account of the pelvis, true and false, its regions, planes, axes, straits, and dimensions.

9. Explain the mechanism of delivery of the left occipito-sacro-iliac position of the head, (a) when forward rotation of the occiput occurs, and (b) when occiput rotates into the hollow of the sacrum.

10. Define involution, and state the physiological processes by which it is accomplished.

THIRD YEAR.—1. Describe the source and arrangement of the vascular, nervous, and lymphatic supply of the uterus.

2. Give an account of the chorion; the period and manner of its formation; the growth and atrophy of its villi.

3. Enumerate the derangements of the digestive system, affections of the respiratory and glandular organs, disorders of the nervous system and urinary organs incident to pregnancy.

4. Recount some of the pathological states to which the decidua and ovum are subject, and their effect upon the progress of gestation.

5. What is the earliest period at which pregnancy can be definitely determined, and what the most positive mode of diagnosis?

6. Explain the varieties of extra-uterine pregnancy, its causes, symptoms, progress, termination and management.

7. State the indications for inducing premature labor, and describe the different procedures for accomplishing it.

8. Mention the comparative frequency of pelvic presentations, prognosis as to mother and child, methods and mechanism of extraction of the breech, shoulders, and head.

9. Enumerate the indications for the employment of forceps, and describe the different steps of forceps operation, including preparation of the patient.

10. Define the nature and cause of eclampsia gravidarum; and explain the symptoms which presage an explosion, and give the treatment, (a) prophylactic, and (b) curative.

## PRACTICE OF MEDICINE.

PROFESSOR H. A. WEST, M. D.

In this department there are three lectures per week during the term. Students of the second and third years are expected to read the text-books and stand systematic examinations upon the subjects embraced in the course. Clinical instruction is given daily throughout the session, except Sundays. Students have abundant opportunities of becoming practically familiar with the details in the diagnosis and treatment of diseases. Special attention is given to those prevalent in a Southern climate.

The following questions constituted the written portion

of the final examination in medicine in 1892-93, and will serve as examples:

1. Give differential diagnosis between typhoid fever and miliary tuberculosis.
2. Differential diagnosis between typhoid and remittent fevers.
3. Give the symptoms, morbid anatomy, and treatment of yellow fever.
4. Describe the eruption of variola, and give points in which it differs from that of varicella.
5. Give the clinical course of scarlet fever, its complications and treatment.
6. Give the diagnosis, cause of constitutional symptoms, and paralytic sequelæ of diphtheria.
7. Give causes, symptoms, and physical signs of pericarditis.
8. Give etiology and diagnosis of ulcerative endocarditis.
9. What are the causes, pathological changes, and clinical history of cirrhosis of the liver?
10. Give causes, pathological anatomy and clinical history of acute nephritis.

## SURGERY.

PROFESSOR J. E. THOMPSON, F. R. C. S. (Eng.).

The course of Surgery consists of—

1. Clinical Lectures to ward classes consisting of small sections of the advanced students.

These will be held by the bedside every morning in the week except Sunday.

2. Operative Clinics.

These will be held every Monday and Thursday morning

during the session in the amphitheatre of the hospital. These courses aim as much as possible at giving each student a practical knowledge of this branch. He will be instructed in case taking, and as far as convenient will be expected to personally examine each patient.

3. Systematic Lectures.

These will be held on the afternoon of Tuesday, Thursday, and Friday, and will cover as far as possible the whole subject of systematic surgery.

4. A course of practical instruction in surgical operations.

This course will cover all the typical operations, e. g., amputations, excisions, and ligature of arteries, and also many of the atypical.

5. A course in Bandaging and Minor Surgery.

This course, which is for the first year's students, will include bandaging, treatment of fractures, and the more important points of minor surgery.

The following questions are given as an example of the written portion of the final examination in Surgery:

1. Describe Stephen Smith's amputation through the knee-joint. Mention the various conditions which might necessitate amputation in this situation.

2. Describe the operation for ligature of the common carotid artery. Give the relations of this artery.

3. Describe in detail the formation of a chronic abscess cavity, giving the appropriate treatment for a chronic abscess due to disease of the spine in the upper lumbar region.

4. Describe the causes, symptoms, diagnosis, and treatment of Colle's fracture.

5. Describe the causes, symptoms and treatment of hæmorrhoids.

6. Give a clinical history of a case of epithelioma of the lip, mentioning in detail the points of diagnosis and treatment.

**MATERIA MEDICA AND THERAPEUTICS.**

PROFESSOR EDWARD RANDALL, M. D.

One lecture per week is given in this department to the first year class upon *Materia Medica*; and two lectures per week are devoted to *Therapeutics* before the second and third year classes. The laboratory contains a complete cabinet of *Materia Medica*, and active principles for study by each student as the articles are taken up by the Professor during the term.

Frequent intermediate examinations are held, upon which the students are graded.

The following questions, which constitute the written portion of the final examination of the term of 1892-93, will serve as examples of the character of examination required:

1. Describe opium, and give its physiological action in therapeutic and poisonous doses, with explanation of the same. Indications for the use of opium; naming a disease under each heading. Differential diagnosis between opium poisoning and belladonna poisoning.

2. Give physiological action of digitalis, and the rationale of its use in mitral regurgitation.

3. What is an alkaloid? Mention its incompatibilities and antidotes.

4. Symptoms of acute and chronic lead poisoning, with treatment of same.

5. What are the symptoms and treatment of strychnine poisoning? Explain its physiological action and its antidotes.

6. Explain the use of nitrites in angina pectoris.

7. What is ergot? The indications for its use, preparations, and doses?



8. What is Labarraque's solution? Its uses? Formula for peroxide of hydrogen, its use and indication of strength.
9. What is Ohm's law? What is an ampere?
10. What is the clinical rule of choice to determine the electric current to be employed?

## PATHOLOGY.

PROFESSOR A. J. SMITH, A. M., M. D.

WILLIAM GAMMON, M. D., DEMONSTRATOR OF NORMAL  
HISTOLOGY.

The course in the Pathological Department extends over the entire three years, and includes lectures, demonstrations, and laboratory instruction upon the subjects of this department.

The lectures of the first year are devoted to the elements of pathology, especially including the subjects of the classification and causes of diseases. A systematic consideration of bacteriology and of the animal parasites is also included in this course.

During the first year, also, the study of Normal Histology is conducted in this department, the instruction consisting of lectures and demonstrations, and of the personal preparation and examination by the class of microscopic specimens exhibiting the structure of the animal body.

In the second year the lectures cover the subjects usually included under the term General Pathological Anatomy, the elementary pathological processes, and those of inflammation and regeneration, of tumor formation, of the infectious granulomata, and teratology. In the laboratory the clinical uses of the microscope as applied to the blood and various excretory substances of the body are demonstrated

at length, opportunity for personal practice being urged upon each student. After the beginning of the year the preparation and study of pathological tissues occupy the time for the remainder of the session.

During the third year the application of pathological study to the individual organs, with special reference to the pathological physiology of each and the development of symptoms, is taken up at length in the systematic lectures.

Throughout the year laboratory exercises in the microscopic study of Pathological Anatomy are offered to the class; and demonstrations and practical work in the performance of post mortem examinations constitute a feature of the plan of instruction.

One hour each week during the term is devoted to practical work in bacteriology, the culture of bacteria, methods of demonstration of bacteria, the study of the specific properties of bacteria by inoculation, etc.

Throughout the course the laboratories and equipments are available to such students as may desire to prosecute special lines of study or investigation, without further expenditure, the department being anxious to foster any such tendencies on the part of the students of the school. Especial mention should be made of the Pathological Museum, which has been started, with the idea of creating a large collection of gross specimens of pathological interest for the use of the class. This collection is in charge of the Professor of Pathology; each specimen is kept in spirits, in clean, well labelled jars; and a record of its clinical history as well as its description is kept in a specially prepared catalogue, for reference by the students and profession at large. Contributions to this museum are solicited from the physicians of the State, the Professor of Pathology making himself responsible for their care and proper

description in the museum catalogue. Due credit will always be made upon the labels and in the catalogue for any contributions.

The final examination in the first year class is entirely oral. The following ten questions will serve as examples, being taken at random from one of the lists employed:

1. What is meant by the term disease?
2. What is a symptom? A symptomatic disease? A pathognomic symptom?
3. What is a remittent type of disease? An intermittent type? A relapsing type?
4. Describe the terms diagnosis, prognosis, nosological diagnosis, topographical diagnosis.
5. What is an ephemeral disease? A malignant disease?
6. What are the signs of true death?
7. How are bacteria supposed to produce disease?
8. In order that one may say that a certain bacterium is the cause of a given disease, what conditions of investigation must be fulfilled?
9. Describe the hæmatozoon of malaria.
10. What is meant by the term anatomical heredity? trophic heredity? infectious heredity?

The following ten questions were asked as the written portion of the final examination of the second year class in 1892:

1. What is hypertrophy? Name and explain at least three special varieties.
2. What is hemorrhagic infraction? Describe its gross and microscopic features.
3. What is coagulation necrosis? Describe the resultant material, and give several (at least two) examples of the process.
4. What is the effect of chronic inflammation upon connective tissues, and upon parenchymatous tissues?

5. Mention the peculiar features met in the growth of tumors as contrasted with the formation of new tissues under other circumstances.

6. State the reasons for belief or non-belief in the theory of a tumor diathesis.

7. State the macroscopic features and the microscopic structure of a gray tubercle.

8. Outline some one method for staining tubercle bacilli.

9. What various forms of tuberculosis present themselves clinically?

10. What is the late specific manifestation of syphilis? In what organs is this commonly met?

The following questions will serve as examples of the written portion of the final examination in the third year:

1. What are the distinguishing features, microscopically considered, in the blood of chlorosis, progressive pernicious anæmia, leukæmia, and anæmia from hemorrhage?

2. Describe the changes in the joints in gout, their mode of development, their appearance, the symptoms arising from these changes, and their explanation.

3. Mention the causes, mode of development, and course of left-sided cardiac hypertrophy.

4. Describe the development of an aneurism, and the histological changes in its wall.

5. Describe the gross and minute anatomy of the "red and gray hepatization" stages of croupous pneumonia.

6. Mention the causes of brown induration of the lungs, and its effects upon the circulatory apparatus.

7. State the nature and causes of fever.

8. Describe the gross and minute appearance of the kidney in a late stage of chronic catarrhal nephritis; what urinary symptoms are produced, and why?

9. Describe the formation of a gall stone.

10. Describe the intestinal lesions of tuberculosis.

## SPECIAL LECTURES.

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### DISEASES OF THE EYE.

DR. G. P. HALL, LECTURER.

Instruction in this department is largely clinical. One clinic a week is held at the John Sealy Hospital. Students are instructed in the use of the ophthalmoscope, and in all practical work. In addition to the regular clinic there is given on Saturday evenings a lecture on refraction and practical work in fitting glasses. During each term a course on operative surgery of the eye is also given.

### DISEASES OF THE EYE, EAR, THROAT, AND NOSE.

G. P. HALL, LECTURER.

Two hours per week, mainly devoted to clinical work, with practical demonstrations of the methods of diagnosis and treatment, are given by the Lecturer in this department. Sufficient time is employed for didactic teaching of the principles which are peculiar to these diseases, but especial effort is made to render the course distinctly a practical one.

### PHYSICAL DIAGNOSIS.

PROFESSOR EDWARD RANDALL, M. D., LECTURER.

One lecture per week is delivered throughout the term upon this subject, the object of the lectures being to ground the student in the normal physical signs of the human body

as well as to explain and illustrate the various alterations in and additions to these signs produced by disease. Thus is formed a basis for more intelligent appreciation of the clinical teachings in medicine.

### DISEASES OF CHILDREN.

DR. H. P. COOKE, LECTURER.

Two lectures a week throughout the term are devoted to the consideration of diseases incident or peculiar to infancy or childhood. A number of these lectures are didactic, as demanded by a systematic discussion of the anatomy, physiology, pathology, and hygiene of this period of life; but the teaching is chiefly clinical and illustrated by cases drawn from the Children's Ward and the Outdoor Department of the John Sealy Hospital.

### MENTAL AND NERVOUS DISEASES.

PROFESSOR ALLEN J. SMITH, M. D., LECTURER.

One clinical lecture per week is devoted to these subjects at the John Sealy Hospital before the third course students. In addition, a course of didactic lectures, in which the subjects are systematically treated, is given to the third year class.

### DERMATOLOGY.

GEORGE H. LEE, M. D., LECTURER.

The importance to the student of obtaining a thorough knowledge of skin diseases can hardly be overestimated. The frequency with which they are encountered in general

practice, and the intimate relations they sustain to diseases of other organs, make the study both important and interesting. It is the aim of the lecturer to eliminate as far as possible the unwieldy and confusing nomenclature used by many writers, and at the same time to systematize the subject, in order that it may be made more practical and easy of comprehension. Special attention also is given to the pathology of the elementary lesions of the skin as an aid to diagnosis and treatment. Two lectures each week before the third year class are devoted to this subject during the first part of the term; and throughout the term in the outdoor clinics practical instruction is given the various sections three times a week.

### MEDICAL JURISPRUDENCE.

ROBERT G. STREET, LECTURER.

Instruction by lectures given once a week during the third year.

The course at present attempts to cover the subjects generally—relation of physician to patient, medico-legal inspection, violent death, abortion, criminal and civil malpractice, personal identity, life insurance, malingering, poisons, and insanity are fully treated, with special attention given to medico-legal inspections, malpractice, insurance, and insanity.

### HISTORY OF MEDICINE.

DAVID CERNA, M. D., PH. D., LECTURER.

One lecture per week will be delivered before the first year class. It will be the Lecturer's object to trace the history and development of the science of medicine from the

earliest records to the present, marking out the epochs of advance, as well as simply reviewing the medical practice of the nations of antiquity. An attempt will be made to follow the course marked out by Baas, who, in the second portion of his work, deals with the medical culture of those nations whose development in medicine has been progressive, as follows: *First Period*.—The medicine of the Greeks (and Romans) to the downfall of the Western Empire in the year 476; *History of Ancient Medicine*. *Second Period*.—Medicine from the downfall of the Western Empire to the discovery of America, from A. D. 476 to 1492, *History of Medieval Medicine*. *Third Period*.—Medicine from the discovery of America to the close of the first French revolution by the Consulate, from A. D. 1492 to 1800, *History of Modern Medicine*. *Fourth Period*.—History of Medicine of the Nineteenth Century, *History of the Most Recent Medicine*.

Whenever possible special sketches will be given relating to the medical culture of other nations whose development in medicine has been or is stationary, such as the Egyptians, the Persians, the Phœnicians, the Jews, the Eastern Indians, the Chinese, the Japanese, etc. An attempt will also be made to trace the history of medicine among the ancient civilized peoples of this continent (such as the Mexicans), irrespective of eastern influences.

Every practitioner will be a better practitioner with the knowledge of the past of his profession. While systematic teaching upon this subject is an innovation in the United States, the propriety has long been recognized abroad, and in Europe the absence of such instruction from the medical curriculum is the exception.



## MEDICAL CLIMATOLOGY.

ISAAC M. CLINE, M. A., M. D., LECTURER.

In this course instruction is given by didactic lectures, weekly, during the term, to the first year students.

Every practitioner will be better qualified to accomplish the important work devolving upon the profession by acquiring a knowledge of the varying conditions and the many changes which take place in the atmosphere, which make climate so different in various localities in its relations to pathology.

The course of lectures embraces briefly a description of instruments and methods used in determining climatic conditions and changes; the origin of the atmosphere, its evolution, composition, and offices, together with its extent and spherical arrangement; the control of atmospheric temperatures—radiation, insolation, absorption, transmission, conduction, and reflection, with particular reference to the manner in which local conditions influence these in making differences in climate; the distribution of temperatures over land and water; the pressure and general wind movements and the ways in which they influence general and local climate; the moisture of the atmosphere, absolute and relative humidity, and sensible temperature of the atmosphere; clouds and sunshine and their distribution; the causes of distribution of precipitation; weather and the control of weather changes, with generalizations as to weather forecasting. Then is taken up the manner in which weather changes and different conditions of climate influence the physiological functions of different organs of the body; the division of climates based upon these effects into "low, damp, warm climate," "low, damp, cold climate," "high,

dry climate," and intermediate grades; the mineral springs, topographic features and distribution of climate in the United States, and the relation of climate to pathology and its influence in the distribution of the more important classes of diseases.

Charts and diagrams are used where practicable to illustrate the more important features of the lectures.

### LIBRARY AND READING ROOM.

Through the generosity of a number of physicians there were originally collected as a nucleus of a library about five hundred volumes of medical works of various kinds. This nucleus is being rapidly developed into a library sufficient for the working requirements of the school, over one thousand volumes being now upon the shelves. A number of works of reference upon special subjects have been added during the past year, and through special appropriations it is expected that the library will be placed in a proper condition in the near future.

The reading room of the Medical Department has been created largely through the active interest of the Galveston County Medical Society. There are received regularly a large number of medical periodicals, including the greater proportion of the better American medical journals. It is the purpose of the authorities to place these periodicals in the library in bound form from year to year as works of reference.

Both library and reading room are open during school hours, both to students and the profession generally, under proper restrictions.

## MUSEUMS.

The general museum of the Medical Department contains a number of well selected anatomical, dermatological, and embryological models. In it is exhibited a series of obstetrical and gynecological models and specimens. It is under the special charge of a curator, and additions are being made from time to time.

Besides the general museum there are special collections in connection with the anatomical, therapeutic, and pathological departments. These collections, to which special attention is given because of the demand for them in laboratory and lecture illustration, are rapidly growing, and include a large number of valuable, unique, and typical preparations. The attention of the profession throughout the State is particularly called to the desirability of properly preserving any rare or excellent specimens of professional interest; and it is urged that such specimens be transmitted to the school for deposit in an appropriate collection. The officers of the school will properly preserve and classify such contributions, giving credit on the label and in the museum catalogue to the donor.



## JOHN SEALY HOSPITAL.

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### BOARD OF MANAGERS.

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George Sealy,	A. Ferrier,
	H. A. West, M. D.,

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Surgeon .....	Prof. J. E. Thompson, F. R. C. S.
	(Eng.)
Obstetrician and Gynecologist ..	Prof. J. F. Y. Paine, M. D.
Pediatricist .....	Prof. William Keiller.
Neurologist .....	Prof. Allen J. Smith, M. D.
Ophthalmologist .....	G. P. Hall, M. D.
Laryngologist and Aurist .....	G. P. Hall, M. D.
Dermatologist .....	George H. Lee, M. D.
Pathologist .....	Prof. Allen J. Smith, M. D.
Assistant Surgeon .....	L. E. Magnenat, M. D.

### HOUSE SURGEON.

W. F. Starley, M. D.

### RESIDENT STUDENTS.

L. Allen,	W. T. Davidson,
G. P. Rains,	F. G. Eldman.

### CLINICAL STAFF.

Chief of Surgical Clinic .....	William Gammon, M. D.
Chief of Gynecological and Ob- stetric Clinic .....	Thomas L. Kennedy, M. D.
Chief of Medical and Nervous Clinic .....	W. F. Starley, M. D.

### APOTHECARY.

Felix Miller.

### SUPERINTENDENT OF TRAINING SCHOOL FOR NURSES.

Miss C. Josephine Durkee.

"It being represented to the citizens of Galveston and to the people of the State of Texas that John Sealy, late of the city of Galveston, departed this life in the month of August, 1884, inspired with a generous and philanthropic motive, and possessed of a large real and personal estate, of which by his bequest he devoted \$75,000 to the establishment of a hospital in said city, naming for that purpose the city council of the city of Galveston and the Regents of the University of Texas, jointly, for and in behalf of the Medical Department of said University, to manage and conduct the same for the reception and relief of sick and diseased persons; the property of said hospital shall be exempt from taxation, and shall be entitled to the benefit and provisions of the law relative to charitable institutions.

"The regents may take and hold any additional donations, grants, devises, and bequests in further support of or addition to said hospital.

"The direction, ownership and disposition of said hospital shall be vested in said Regents and their successors, for the object and purposes heretofore set forth, and pursuant to the wishes and directions of the last will and testament of its founder aforesaid."

John Sealy Hospital occupies a block of ground between Eighth and Ninth streets, and between avenues A and B, contiguous to that occupied by the College building. There are eight wards, besides a number of private rooms and rooms for officials.

The main hospital building is heated by hot water and lighted by electric light, the wing containing the colored wards, the children's ward, and the quarters of the Training School for Nurses being heated by stoves and lighted by gas. The wards and rooms are large and airy, built with special reference to the comfort of the sick in the prevailing warm seasons of this climate.

A large hall, occupying the upper floor of the main building, is used at present as an operating and clinical hall, until a special clinical and operative building be provided.

There is in connection with the hospital a training school for nurses, "The John Sealy Hospital Training School for Nurses," which has charge of all nursing in the hospital. This training school has been created and is carried on largely through the philanthropy of a large number of the citizens of Galveston, and is under the management of a board of lady managers and a superintendent chosen by this latter body. The capacity of the school is limited to twenty pupil nurses. The nurses receive appropriate and special instruction from the Faculty of the Medical Department, and from the Superintendent of Nurses, during a course extending over two years. There is a large demand for professional nurses from this city and State, which can be met only partially by the School.

The following detailed report of the number of patients treated in the John Sealy Hospital from January 1, 1894, to January 1, 1895, is appended with a view of showing the excellent clinical facilities of the School. The floating character of the population drawn upon to fill the wards assures the fullest clinical opportunities, and the large shipping and railroad interests of Galveston amply provide the students with the advantages of witnessing recent surgical affections.

## STATEMENT OF MEDICAL WARDS.

Diagnosis.	Total number.	Cured.	Improved.	Not improved.	Died.
MEDICAL CASES.					
Alcoholism, acute .....	11	10	1		
Alcoholism, chronic .....	4		4		
Anæmia, progressive pernicious .....	1			1	
Aneurism, aortic .....	2		1		1
Aneurism, cirroid .....	1	1			
Angina pectoris .....	1		1		
Asthma .....	6	1	5		
Bronchitis, acute .....	16	15	1		
Cardiac diseases—					
Aortic regurgitation .....	4		3		3
Mitral regurgitation .....	6			1	1
Mitral and aortic regurgitation .....	2		2		
Cardiac hypertrophy .....	1		1		
Heart, fatty .....	1		1		
Heart, palpitation .....	1		1		
Cephalalgia .....	3		2	1	
Cholera nostras .....	2	1			1
Constipation, acute .....	1	1			
Constipation, chronic .....	3	3			
Coryza .....	1	1			
Diabetes mellitus .....	3	1		1	1
Diarrhœa, acute .....	9	8	1		
Diarrhœa, chronic .....	1	1			
Diphtheria .....	5	5			
Dysentery, acute catarrhal .....	18	15	3		
Dysentery, amoebic .....	5		4		
Dysentery, amoebic, and hepatic abscess .....	1				1
Enteritis, acute .....	2	1	1		
Enteritis, chronic .....	2		1		1
Fever, malarial .....	92	88	1	2	
Fever, pernicious malarial .....	2				2
Fever, typhoid .....	23	20			3
Gastritis, acute .....	33	30	3		
Gastritis, chronic .....	12	2	10		
Gastro-enteritis, acute .....	4	3			1
Gastro-enteritis, chronic .....	2	2			
Gastric ulcer .....	3	1		1	1
Inanition .....	1				
Inanition, senile .....	9		4		5
Influenza .....	9	8	1		
Jaundice, acute catarrhal .....	3	3			
Lithaemia .....	1				
Liver, cirrhosis of .....	5		1		3
Lumbago .....	9	3	1	1	
Lung, hemorrhagic infarct .....	1		5		
Measles .....	12	12			
Measles and acute otitis media .....	1		1		
Mumps .....	3	3			
Nephritis .....	34	2	20	2	10
Pleuritis, acute .....	7	6	1		
Pneumonia, acute catarrhal .....	2	1	1		
Pneumonia, acute croupous .....	10	8			2
Poisoning, acute arsenical .....	1				1
Rheumatism, acute .....	18	12	6		



STATEMENT OF MEDICAL WARDS—*continued*.

Diagnosis,	Total number.	Cured.	Improved.	Not improved.	Died.
Rheumatism, chronic.....	10	1	9		
Tapeworm.....	3	3			
Tuberculosis, pulmonary.....	38		21	10	7
Total.....	461	273	121	20	47
NERVOUS CASES.					
Apoplexy.....	1	1			
Delirium tremens.....	2	1			1
Dementia, parietic.....	1			1	
Epilepsy.....	11		3	8	
Epilepsy, traumatic.....	3			3	
Epilepsy, hysterical.....	2	1	1		
Gumma of spinal cord.....	1		1		
Hysteria.....	5	2	3		
Imbecility and general infantile cerebral paralysis.....	1			1	
Insanity, hysterical.....	2		2		
Mania, acute.....	1		1		
Melancholia.....	3		3		
Morphinomania.....	5	1	4		
Neurasthenia.....	4		2	2	
Neuralgia.....	3	2	1		
Neuritis, multiple.....	1		1		
Paralysis agitans.....	2	1	1		
Paralysis, facial.....	1	1			
Paraplegia, hysterical.....	1	1			
Pleurodynia.....	1	1			
Sclerosis, lateral spinal.....	2		2		
Sclerosis, multiple spinal.....	1		1		
Sclerosis, posterior spinal.....	2		1	1	
Stroke.....	1		1		
Tumor of brain, sarcomatous.....	1				1
Vertigo.....	1	1			
Total.....	50	12	29	16	2
SKIN CASES.					
Dermatitis.....	2	2			
Eczema.....	2	2			
Pediculosis pubis.....	1	1			
Pemphigus.....	1		1		
Total.....	6	5	1		
Total in medical wards.....	526	290	151	36	49

## STATEMENT OF SURGICAL WARDS.

Diagnosis.	Total number.	Cured.	Improved.	Not improved.	Died.
SURGICAL CASES.					
Abscess .....	9	9			
Abscess, ischio-rectal .....	7	6	1		
Abscess, hepatic .....	1	1			
Abscess, perinephritic .....	1		1		
Anus, fissure of .....	2	2			
Anus, fistula of .....	2	2			
Arthritis .....	3	1	2		
Arthritis, tubercular .....	1	1			
Bladder, calculus of .....	1	1			
Bone, caries of .....	7	2	5		
Bone, fracture of .....	24	22	1	1	
Bone, compound fracture of .....	2	2			
Brain, mucous cyst of .....	1	1			
Bubo .....	18	17		1	
Bunion .....	1	1			
Burns .....	8	5	2		1
Bursitis .....	1		1		
Bursitis, suppurative .....	2	2			
Calculus, biliary .....	2	2			
Calculus, renal .....	1			1	
Carbuncle .....	1	1			
Cellulitis .....	2	1	1		
Chancre .....	8	7	1		
Colic, renal .....	1	1			
Colitis .....	1	1			
Contraction of jaw, cicatricial .....	1	1			
Cystitis, acute .....	1	1			
Cystitis, chronic .....	6	2	4		
Empyema .....	4		3		1
Epididymitis .....	2	1	1		
Epithelioma .....	2	1	1		
Erysipelas .....	2	2			
Felon .....	2	2			
Fibroma .....	1	1			
Furuncle .....	4	4			
Gangrene, senile .....	2	1	1		
Glands, tubercular cervical .....	5	5			
Goitre .....	1	1			
Gonorrhoea .....	17	10	7		
Gonorrhoea and bubo .....	6	3	2		
Gonorrhoea and phimosis .....	1	1			
Gonorrhoea and cystitis .....	2	2			
Gonorrhoeal rheumatism .....	3	1	2		
Haematocoele, traumatic .....	2	2			
Hare-lip .....	2	2			
Hemorrhoids .....	6				
Hernia .....	7	5	2		
Hernia, strangulated .....	1		1		
Hodgkins' disease .....	2	1	1		
Hydrocele .....	1			2	
Hydrocephalus .....	2			1	
Hydrocephalus and meningocoele .....	1				
Intussusception .....	1	1			
Keloid .....	1	1			
Kidney, contusion of .....	1	1			
Kidney, surgical .....	2		1		
Lipoma .....	1	1			

Diagnosis.	Total number.	Cured.	Improved.	Not improved.	Died.
Luxations.....	3	3			
Oesophagus, cancer of.....	1				1
Oesophagus, stricture of.....	2	1	1		
Oorchitis.....	2	2			
Osteitis, tubercular.....	6	2	4		
Paraphimosis.....	1	1			
Perinephritis.....	1		1		
Periostitis, tubercular.....	2	1	1		
Phimosis.....	1	1			
Phlegmasia alba dolens.....	1		1		
Prostate, enlarged.....	2		2		
Prostatitis.....	1		1		
Rectum, stricture of.....	2				
Sarcoma.....	10	4		2	
Spine, caries of.....	3		1	1	1
Sprains.....	13	9	4		
Stomach, cancer of.....	2				2
Stomatitis, acute.....	1	1			
Synovitis.....	3	2	1		
Syphilis.....	43	37	5	1	
Talipes varus.....	1		1		
Tetanus.....	2	1			1
Ulcers.....	32	19	13		
Urethra, stricture of.....	11	4	6	1	
Urethritis.....	1		1		
Wounds, contused.....	13	10	3		
Wounds, crushed.....	2		1		1
Wounds, gunshot.....	6	2	2		2
Wounds, incised.....	10	9	1		
Wounds, lacerated.....	13	8	5		
Wounds, stab.....	4	3	1		
Total.....	392	266	98	13	15
EYE CASES.					
Amblyopia.....	1		1		
Cataract.....	4	3	1		
Cornea, traumatic inflammation of.....	1	1			
Cornea, ulcer of.....	3	1	2		
Iritis and abscess of cornea.....	1		1		
Total.....	10	5	5		
EAR, NOSE AND THROAT CASES.					
Laryngitis paralytica.....	1			1	
Otitis media suppurative.....	1		1		
Ozoena syphilitic.....	1		1		
Pharyngitis, acute.....	1		1		
Pharyngitis, syphilitic.....	1		1		
Polypus, post-nasal.....	1	1			
Rhinitis, syphilitic.....	1		1		
Total.....	7	1	5	1	
Total in surgical wards.....	409	272	108	14	15

The following operations were performed in the surgical department:

Amputations .....	14
Circumcision .....	26
Curettage of biliary fistula .....	1
Cystotomy, suprapubic .....	3
Enucleation of eyeball .....	3
Excision of arterial naevus of foot .....	1
" of cancer of oesophagus .....	1
" of cervical glands .....	7
" of elbow joint .....	1
" of enchondroma of sixth cervical transverse process .....	2
" of fibro-lipoma .....	1
" of haematocoele .....	1
" of inferior maxilla .....	1
" of inguinal glands .....	48
" of keloid .....	1
" of lipoma .....	1
" of pterygium .....	1
" of ribs .....	1
" of sarcoma .....	2
" of sarcoma of lower jaw .....	1
" of sebaceous adenoma .....	3
" of superior maxilla .....	2
" of thyroid adenoma .....	1
Evacuation of hepatic abscess .....	1
Hare-lip, operation of .....	2
Hernia, radical cure for inguinal .....	5
Hernia, radical cure for strangulated umbilical .....	1
Hydrocele, radical cure .....	2
Iridectomy .....	2
Laparotomy for appendicitis .....	1
Laparotomy, exploratory .....	1
Laparotomy for removing calculus from common bile duct .....	1
Laparotomy for abdominal sarcoma; nephrectomy for sarcoma .....	1
Ligature of hemorrhoids .....	6
Lithotomy, perineal median .....	1
Lithotomy, suprapubic .....	1
Minor operations .....	142
Nephrectomy, lumbar (nephrolithiasis) .....	1
Oesophagotomy .....	
Osteotomy .....	
Operation on axilla for gunshot wound of brachial plexus .....	1
Operation for cicatricial contraction of jaws .....	1
Psoas abscess incised and curetted (Treve's operation) .....	1
Pleural cavity drained for empyema .....	1
Resection of ribs .....	6
Removal of fragments of comminuted patella (wiring) .....	1
Removal of turbinated bones .....	2
Skin grafting .....	1
Sequestrotomy .....	1
Trephining of skull .....	2
Urethrotomy, external .....	6
Urethrotomy, internal .....	2
Whitehead's operation for hemorrhoids .....	2
Total .....	324

## STATEMENT OF GYNECOLOGICAL AND OBSTETRICAL WARDS.

Diagnosis.	Total number.	Cured.	Improved.	Not improved.	Died.
Abortion .....	3	3			
Abortion, pelvic and general peritonitis..	1				1
Abscess, labial .....	1	1	1		
Abscess, labial and vaginal .....	1	1			
Anteflexion of uterus and endocervicitis .....	1	1			
Anteflexion of uterus and hysteria .....	1	1			
Cervix, epithelioma of .....	3	1		2	
Cervix, laceration of .....	3	1			
Cervix, laceration of, and endometritis..	4	1	1	1	
Cervix, bilateral laceration of, and ovarian cyst .....	1	1			
Cervix, bilateral laceration of, and endometritis and salpingitis .....	1		1		
Cervix and perineum, laceration of, endometritis, metritis, salpingitis and oophoritis .....	1		1		
Cyst, parovarian .....	1	1			
Endometritis .....	15	10	3	2	
Endometritis, anteflexion and vulvo-vaginal hyperæsthesia .....	1	1			
Endometritis, laceration of cervix and anteflexion .....	1		1		
Endometritis, laceration of cervix and myofibroma of uterus .....	1	1			
Endometritis, laceration of cervix, rectocele and hemorrhoids .....	1	1			
Endometritis, laceration of cervix and perineum .....	2	2			
Endometritis, metritis, and pelvic peritonitis .....	2	2			
Endometritis, metritis, and salpingitis..	1	1			
Endometritis, metritis, salpingitis, and lacerated and eroded cervix .....	1	1			
Endometritis, metritis, lacerated cervix and anteflexion .....	1		1		
Endometritis, metritis, lacerated cervix and subinvolution .....	1		1		
Endometritis, metritis and specific vaginitis .....	1		1		
Endometritis and myofibroma of broad ligament .....	1	1			
Endometritis and pelvic abscess .....	1	1			
Endometritis and prolapse of appendages .....	2	1	1		
Endometritis and rectocele .....	1			1	
Endometritis, retroversion, and cystic prolapsed ovary .....	1		1		
Endometritis, retroversion, retroflexion and cystitis .....	1	1			
Endometritis and salpingitis .....	7	5	2		
Endometritis, salpingitis and lacerated cervix .....	4	4			
Endometritis, salpingitis and ovarian cyst .....	2				1
Endometritis, salpingitis, and pelvic peritonitis .....	1	1			
Endometritis, salpingitis, and stenosis of cervix .....	1	1			

## STATEMENT OF GYNECOLOGICAL, ETC., WARDS—continued.

Diagnosis.	Total number.	Cured.	Improved.	Not improved.	Died.
Endometritis and stricture of rectum.....	1		1		
Endometritis, subinvolution, oophoritis and lacerated cervix.....	1	1			
Endometritis and ulcer of rectum.....	1	1			
Endometritis, vaginitis and ante flexion..	1	1			
Endometritis, vaginitis specific, lacerated cervix and perineum.....	1	1			
Epithelioma of uterus.....	1				1
Fibromata of uterus and cystic ovaries..	1		1		
Fibroid and cyst of ovary, and cyst of fallopian tube.....	1	1			
Fistula, vesico-vaginal.....	1	1			
Icterus neonatorum.....	1	1			
Metritis and endometritis.....	6	4	1	1	
Metritis and nephritis.....	2		2		
Metritis and peritonitis.....	1	1			
Metritis and subinvolution.....	1		1		
Metritis, rectocele, and recto-labial fistula.....	1	1			
Myofibroma of uterus.....	2	1		1	
Ovary, cyst of.....	3	3			
Ovary, cyst of, and ante flexion of uterus	1			1	
Ovary and broad ligaments, cysts of, and peritonitis.....	1				1
Parovarian cyst, cyst of ovary, pelvic peritonitis and salpingitis.....	1	1			
Perineum, laceration of.....	1			1	
Perineum, laceration of, and prolapse of uterus.....	1		1		
Perineum and cervix, laceration of, and prolapse of uterus.....	1	1			
Pregnancy.....	22	15		7	
Pyosalpinx, double.....	2	1	1		
Pyosalpinx, oophoritis, metritis and endometritis.....	1		1		
Tubo-ovarian cyst, cyst of ovary, and salpingitis.....	1	1			
Urethral caruncle.....	1	1			
Uterus, ante flexion of, endometritis and metritis.....	1	1			
Uterus, ante flexion of, endometritis metritis and cystitis.....	1	1			
Uterus, prolapse of, distended tubes and rectocele.....	1		1		
Uterus, retro flexion and lacerated perineum.....	1	1			
Uterus, retroversion and subinvolution..	1	1			
Uterus, subinvolution of, lacerated cervix and rectocele.....	1	1			
Vagina, submucous polypus.....	2		2		
Vaginitis.....	3	1	2		
Vaginitis, follicular.....	1	1			
Vaginitis and chaneroids of labia.....	1	1			
Vulva and anus, condylomata of.....	1	1			
Total.....	145	95	29	17	4

The following operations were performed in the gynecological department:

Cauterization of phagedenic ulcer of vagina.....	1
Cauterization of urethral caruncle.....	1
Cervical amputation.....	2
Colporrhaphy and perineorrhaphy.....	5
Curetting.....	78
Curetting and division of sphincter.....	1
Curetting and trachelorrhaphy.....	3
Curetting sinus of pelvic abscess and drainage.....	1
Division of sphincter and cauterization of polyp.....	1
Laparotomy.....	13
Operation for vesico-vaginal fistula.....	2
Perineorrhaphy.....	6
Removal of hymen.....	1
Trachelorrhaphy.....	14
Trachelorrhaphy and ligature of hemorrhoids.....	1
Vaginal hysterotomy.....	2
<b>Total.....</b>	<b>132</b>

## OUTDOOR CLINICAL SERVICE.

<b>Medical cases—</b>	
Adults.....	751
Children.....	179
<b>Surgical cases—</b>	
Adults.....	804
Children.....	48
<b>Nervous cases.....</b>	<b>82</b>
<b>Gynecological cases.....</b>	<b>153</b>
Ophthalmic cases.....	39
Ear, nose, and throat cases.....	150
Skin cases.....	41
<b>Total.....</b>	<b>2,247</b>

## SUMMARY.

Diagnosis.	Total number.	Cured.	Improved.	Not improved.	Died.
Total of medical cases in wards.....	461	273	121	20	47
Total of nervous cases in wards.....	59	12	29	16	2
Total of skin cases in wards.....	6	5	1		
<b>Total from medical wards.....</b>	<b>526</b>	<b>290</b>	<b>151</b>	<b>36</b>	<b>49</b>
Total of surgical cases in wards.....	392	266	98	13	15
Total of eye cases in wards.....	10	5	5		
Total of ear, nose and throat cases in wards.....	7	1	5	1	
<b>Total from surgical wards.....</b>	<b>409</b>	<b>272</b>	<b>108</b>	<b>14</b>	<b>15</b>
Total of obstetrical and gynecological cases in wards.....	145	95	29	17	4
Total treated in wards.....	1,080	657	288	67	68
Total treated in outdoor clinic.....	2,247				
<b>Grand total.....</b>	<b>3,327</b>				

# ROSTER OF SCHOOL OF MEDICINE.

## FIRST YEAR.

HRS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8-9 a.m.	Normal Histology.	General Pathology.	Chemistry.	Chemistry.	General Pathology.	Physics.
9-10 a.m.	Anatomy.	Anatomy.	Anatomy.	Anatomy.	Anatomy.	Anatomy.
10-11 a.m.						
11-12 m.	Physiological Laboratory. Sec. C and Sec. D.	Histological Laboratory. Sec. C.	Histological Laboratory. Sec. A.	Physiological Laboratory. Sec. A and Sec. B.	Histological Laboratory. Sec. A.	Histological Laboratory. Sec. C.
12-1 p.m.	Histological Laboratory. Sec. A and Sec. B.	Histological Laboratory. Sec. D.	Histological Laboratory. Sec. B.	Histological Laboratory. Sec. C and Sec. D.	Histological Laboratory. Sec. B.	Histological Laboratory. Sec. D.
2-3 p.m.	Pharmaceutical Laboratory. Sec. A and Sec. B.	Chemical Laboratory.	Chemical Laboratory.	Pharmaceutical Laboratory. Sec. C and Sec. D.	History of Medicine.	
3-4 p.m.					Climatology.	
4-5 p.m.	Physiology.	Bandaging and Minor Surgery.	Physiology.	Bandaging and Minor Surgery.	Physiology.	
5-6 p.m.	Materia Medica.				Materia Medica.	



**SECOND YEAR.**

HRS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8-9 a.m.	Medical Clinic.	Medical Clinic.	Medical Clinic.	Medical Clinic.	Medical Clinic.	Medical Clinic.
9-10 a.m.	Operative Surgical Clinic.	Surgical Ward Class, Sec. A. Pathological Lab- oratory, Sec. B.	Surgical Ward Class, Sec. A. Pathological Lab- oratory, Sec. B.	Operative Surgical Clinic.	Surgical Ward Class, Sec. B. Pathological Lab- oratory, Sec. A.	Chemical Laboratory.
10-11 a.m.		Pathological Lab- oratory, Sec. A. Physical Diagno- sis, Sec. B.	Pathological Lab- oratory, Sec. A.		Physical Diagno- sis, Sec. A. Patho- logical Labora- tory, Sec. B.	
11-12 m.	Anatomy.	Anatomy.	Anatomy.	Anatomy.	Anatomy.	Physiological Lab- oratory.
12-1 p.m.						Anatomy.
2-3 p.m.	Chemistry.	Practice of Medi- cine.	Physiological Lab- oratory.	Chemistry.	Chemical Laboratory.	
3-4 p.m.	General Pathology.	Surgery.	General Pathology.	Surgery.		
4-5 p.m.	Physiology.	Therapeutics.	Physiology.	Therapeutics.	Physiology.	
5-6 p.m.	Obstetrics, 1st half term. Physiological Laboratory, 2d half term.	Obstetrics, 1st half term. Physiological Laboratory, 2d half term.	Practice of Medi- cine.	Obstetrics, 1st half term. Physiological Laboratory, 2d half term.	Practice of Medi- cine.	

## THIRD YEAR.

HRS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8-9 a.m.	Medical Clinic.	Ophthalmic Clinic.	Medical Clinic.	Medical Clinic.	Medical Clinic.	Diseases of Ear, Nose and Throat Clinic.
9-10 a.m.	Operative Surgical Clinic.	Ward Classes.	Ward Classes.	Operative Surgical Clinic.	Ward Classes.	Surgical Clinic, St. Mary's Hospital
10-11 a.m.						Operative Gynec- ological Clinic.
11-12 m.	Dermatology, 1st Half Term. Special Pathology, 2d Half Term.	Special Pathology, 1st Half Term. Obstetrics, 2d Half Term.	Gynecology.	Special Pathology, 1st Half Term. Obstetrics, 2d Half Term.	Dermatology, 1st Half Term. Special Pathology, 2d Half Term.	
12-1 p.m.	Out Door Clinics.	Out Door Clinics.	Out Door Clinics.	Out Door Clinics.	Out Door Clinics.	Out Door Clinics.
2-3 p.m.	Gross Morbid Anatomy.	Practice of Medicine.	Pathological Laboratory.	Ophthalmology, etc.	Bacteriology.	
3-4 p.m.	Pediatrics.	Surgery.	Pediatrics.	Surgery.	Operative Surgery.	
4-5 p.m.	Neurology.	Therapeutics.	Nervous Diseases Clinics.	Therapeutics.		
5-6 p.m.	Obstetrics, 2d Half Term.	Medical Jurisprudence.	Practice of Medicine.	Hygiene.	Practice of Medicine.	

# LIST OF MATRICULATES.

SESSION OF 1895-96.

## THIRD YEAR.

Names.	Residence.	Preceptor.
Anderson, A. Lawrence.	Sulphur Springs.	B. M. Worsham.
Ashton, William E. . . .	Galveston.....	University of Texas.
Barnhill, Pleas D.....	Brenham.....	W. A. Lockett.
Barr, Henry A.....	Ryan .....	C. L. Clay.
Blackburn, Harold W. . . .	Berclair.....	H. E. Whatley.
Campbell, James M . . . .	Meridian.....	J. J. Lumpkin.
Canon, Menon Bryan . . .	Moscow.....	J. J. Canon.
Carruthers, William Sale.	Galveston.....	University of Texas.
Crook, Walter J . . . . .	Paris.....	Hooks and Bebford.
Daehne, Francis G . . . . .	Schulenburg.....	University of Texas.
Davidson, Wilson J.....	Belton.....	Taylor Hudson.

(B. Sc., University of Texas.)

Delaney, George E. J. . . .	Galveston .....	University of Texas.
Eidman, Frederick G . . .	Sealy .....	E. G. Magruder.
Fontaine, Bryce W.....	Galveston .....	University of Texas.
Frenkel, Benjamin,.....	Galveston.....	University of Texas.
Fuller, Frank Coe.....	Galveston.....	University of Texas.
Garner, Charles B.....	Hillsboro .....	University of Texas.

(B. S., A. and M. College.)

Hamilton, David D . . . .	Jasper.. ..	T. E. Stone.
Hogg, F. Baylor.....	Denton .....	Jas. P. Knox.
Karback, Frederick R.....	.....	University of Texas.
Long, Newton .....	Marquez.....	A. D. Boggs.
Lumpkin, A. F.....	Meridian.....	J. J. Lumpkin.
Luter, William E .....	Galveston.....	T. J. Turpin.
Mercer, William.....	Galveston.....	W. M. Mercer.

(A. B., Williams College.)

Names.	Residence.	Preceptor.
Moor, H. Purris .....	Galveston.....	University of Texas. (B. S., Howard College.)
Moore, John T.....	Huntsville .....	J. W. Thomason. (A. M., Add Ran Christian University.)
McMahon, Robert Lee ..	Burkeville .....	University of Texas.
Osborn, E. Bryce .....	Cleburne .....	J. D. Osborn.
Pridgen, J. Edwin.....	Thomaston.....	C. B. Phillips.
Rains, George P.....	Marshall.....	University of Texas. (A. B., University of Texas.)
Ralston, J. C.....	Austin.....	University of Texas.
Short, J. L.....	Seguin.....	J. D. Fennell. (B. S. A., A. and M. College.)
Smith, George M., Jr ...	Shelbyville.....	University of Texas.
Smith, Willis R.....	Dallas .....	E. L. Thomson.
Walters, Egbert A.....	Cleburne.....	J. D. Osborn.
Wilson, J. E.....	Bastrop.....	University of Texas.
Woodall, Wm. Person ...	Salado .....	Jarrette De Law.

## SECOND YEAR.

Allen, N. N.....	Hempstead.....	C. W. Le Grande.
Angler, Eugene L .....	Huntsville .....	University of Texas.
Aston, S. N .....	Madisonville ....	University of Texas.
Barber, T. H .....	New Ulm.....	University of Texas.
Batts, Edward L.....	Bastrop.....	University of Texas.
Becker, A. E.....	Brenham .....	Edward Becker.
Blassingame, A. A.....	Elmont.....	J. B. Stinson.
Cooke, Edward F.....	N. Galveston....	University of Texas.
Delalondre, Marie P....	Galveston.....	University of Texas.
Dennis, Mills.....	Wharton.....	University of Texas.
Easterwood, A. Y.....	Cleburne.....	T. J. Wagley. (B. S., Southwestern University.)
Ford, M. H.....	Llano .....	J. H. Ford.
Gibner, G. P.....	Lindale.....	University of Texas.
Gilbert, Joseph.....	Hornsby.....	University of Texas. (B. S. A., A. and M. College.)
Gregory, A. A.....	Cleburne .....	J. H. Kellogg.
Guenther, J. G .....	Schulenburg ....	University of Texas.
Halley, W. B .....	Salado.....	University of Texas.
Hazlewood, W. R.....	Georgetown ....	W. T. Jones.

Names.	Residence.	Preceptor.
Hill, James A . . . . .	Willow Hole . . . . .	J. T. Hill.
Hodges, J. E . . . . .	Georgetown . . . . .	University of Texas.
Homsley, G. W . . . . .	Newburg . . . . .	University of Texas.
Homan, B. B . . . . .	Dallas . . . . .	R. W. Allen.
Howard, W. E . . . . .	Dallas . . . . .	— Letcher.
Hughes, W. M. . . . .	Beckville . . . . .	University of Texas.
Hunter, J. E . . . . .	Allen . . . . .	E. S. Blythe.
Kroulik, John . . . . .	Industry . . . . .	B. J. Fehrenkamp.
Littlefield, V. C . . . . .	Leesville . . . . .	J. M. Fly.
(B. S., Southwestern University.)		
Lloyd, B. J. . . . .	Bryan . . . . .	University of Texas.
Lloyd, W. J. . . . .	Jacksonville . . . . .	L. Lloyd.
Loggins, L. A. . . . .	Ennis . . . . .	J. C. Loggins.
Love, A. S. . . . .	Florence . . . . .	H. M. Bennett.
Magee, W. J. . . . .	Groveton . . . . .	University of Texas.
Manning, E. R. . . . .	Albany . . . . .	W. T. Baird.
Martindale, A. H. . . . .	Tenaha . . . . .	J. E. McWhorter.
Mast, Taylor, Jr. . . . .	Melrose . . . . .	H. A. Hardeman.
Monday, H. A. . . . .	Terrell . . . . .	W. H. Monday.
Moody, M. L. . . . .	Albany . . . . .	W. C. Moody.
Moses, Walter H. . . . .	Giddings . . . . .	University of Texas.
McLamore, Julian . . . . .	Timpson . . . . .	M. H. Whiteside.
Newsom, E. B. . . . .	Allen . . . . .	Wolford and Compton.
Parks, S. N. . . . .	De Soto . . . . .	G. T. Parks.
Pope, E. D. . . . .	Woodville . . . . .	J. W. Cruse.
Smith, L. T. . . . .	Dallas . . . . .	J. M. Pace.
Spence, Harry . . . . .	Austin . . . . .	T. D. Wooten.
Springer, J. G. . . . .	Stockdale . . . . .	University of Texas.
Sterrett, R. A. . . . .	Beckville . . . . .	University of Texas.
Swain, W. C. . . . .	Galveston . . . . .	University of Texas.
Tucker, F. F. . . . .	San Augustine . . . . .	F. H. Tucker and Son.
Warren, Bert . . . . .	Hillsboro . . . . .	University of Texas.
Wedemeyer, Edward L. . . . .	Belton . . . . .	J. M. Hons.
(B. Sc., University of Texas.)		
Wilkinson, Thomas W. . . . .	Blackjack Grove . . . . .	University of Texas.
Wornel, J. M. . . . .	Hillsboro . . . . .	H. W. Dudley.

## FIRST YEAR.

Aldridge, H. W. . . . .	Plano . . . . .	University of Texas.
Alldredge, W. D. . . . .	Regency . . . . .	L. W. Harvey.

Names.	Residence.	Preceptor.
Arnold, Joseph P.....	Galveston .....	N. W. Lubben.
Berry, T. D.....	Paris.....	J. F. Hooks.
(B. S., Marion Military Institute.)		
Blackirby, R. E.....	Cayuga .....	J. F. Stroude.
Blair, Mrs. Jessie.....	San Antonio....	H. A. Blair.
Bledsoe, R. B.....	Village Mills....	L. B. Seeman.
Boon, U. C.....	Jewell.....	E. W. Kimble.
Boren, S. L.....	Carthage .....	J. E. Wall.
Bowmer, Otho C.....	Round Rock....	C. J. Forbes.
Brandenburg, M.....	Denton .....	University of Texas.
Brown, J. A.....	Clayton.....	G. H. Turner.
Buer, George H.....	Dallas .....	— Allen.
Burns, E. J.....	Giddings .....	W. E. York.
Byars, C. R.....	Columbus.....	University of Texas.
Byrne, Marie Elizabeth.	Galveston .....	University of Texas.
Cantrell, C. A.....	Blue Ridge.....	J. E. Mitchell.
Carroll, T. W.....	Dallas .....	E. L. Thompson.
Chapman, M. L. ....	Temple.....	Rogers and Barton.
Cleveland, A. M.....	Kimball .....	U. D. Ezelle.
(B. S., Central College.)		
Cocke, Rogers.....	Jefferson .....	Stallcup and Cooper.
Connell, Thos. Edward.	Belton.....	University of Texas.
(B. Lit., University of Texas.)		
Cooke, D. M.....	Granger .....	University of Texas.
Copeland, James A....	Huckabay.....	G. T. Allison.
Crook, W. A .....	Mt. Sylvan.....	J. I. Crook.
Deal, E. O.....	Burke .....	University of Texas.
Denman, J. A.....	Belton.....	University of Texas.
Dinwiddie, Robert L....	San Antonio ..	University of Texas.
Douglass, J. G.....	Covington.....	University of Texas.
Downs, H. E.....	Arcadia.....	University of Texas.
Ellison, J. I.....	Franklin.....	G. M. Abney.
Elmendorf, Edward ...	San Antonio ....	University of Texas.
Flora, E. E.....	Houston .....	E. L. Fox.
Fontaine, W. J....	Jones Prairie ...	University of Texas.
Ford, F. C.....	Houston.....	University of Texas.
Foscue, C. J.....	Neches .....	W. S. Southerland.
Fountain, Wade D. ....	Reagen .....	R. C. Nettles.
Freeman, B. H.....	Ida .....	R. L. Sears and W. R. Hoard.

Names.	Residence.	Preceptor.
Gardner, J. C.	Granger	University of Texas.
Gibson, James W.	Austin	T. D. Wooten.
Glass, H. T.	San Marcos	University of Texas.
Guyton, J. W.	Waco	C. H. Rew.
Haigler, S. H.	Austin	J. Cummings.
Hall, Horace C.	Dallas	J. S. Letcher.
Harris, G. C.	Taylor	University of Texas.
Harrison, R. H.	Columbus	R. H. Harrison, Sr.
Henderson, D. D.	Jasper	University of Texas.
Houghton, W. M.	Round Rock	C. C. Black.
Hume, Lea	Galveston	University of Texas.
Hunnicut, W. H. P.	Waco	University of Texas.
(B. Sc., University of Texas.)		
Ingalls, H. A.	Lovelady	University of Texas.
Jenkins, John	Dallas	D. C. Jenkins.
Jones, C. C.	Brock	University of Texas.
Jones, J. A.	Palmer	— Moore.
Kent, F.	Gonzales	University of Texas.
Kimmons, S. H.	Dallas	University of Texas.
(M. A., University of Mississippi.)		
Lauve, N. O.	Galveston	University of Texas.
Leach, R. N.	Bighill	University of Texas.
Le Grand, Leroy	Graham	University of Texas.
(B. Lit., University of Texas.)		
Lister, S. M.	Trinity	F. S. Martin.
McCarver, J. W., Jr.	Gatesville	Brown and Perkins.
McDaniel, Ralph	Granger	University of Texas.
McLeod, R. H.	Palestine	J. M. Colley.
McMillan, M. B.	Boerne	William Miller.
(B. M. E., A. and M. College.)		
Martin, G. D.	Trinity	F. S. Martin.
Miles, B. J.	Merit	University of Texas.
Mondrick, Albert L.	Cameron	University of Texas.
Moore, W. C., Jr.	Willis	W. H. Moore.
Mouser, Edward B.	Reinhardt	University of Texas.
(B. S. A., A. and M. College.)		
Mugge, Oscar J.	Cuero	J. H. Reuss.
Neal, W. S.	Weatherford	W. M. Campbell.

Names.	Residence.	Preceptor.
Nelson, A. D.....	Goldthwaite....	University of Texas. (B. S., Centenary College.)
Nibling, George W.....	Moffat .....	University of Texas.
O'Bar, Oliver.....	Warrenton.....	University of Texas.
Parsons, G. J.....	Alvarado.....	W. P. Alexander.
Pipkin, George Pierce..	Waco .....	J. S. Pipkin.
Powell, J. E.....	Potter .....	J. Y. Younger.
Presnall, C. W.....	Waco .....	H. M. Stewart.
Rives, M.....	Mission Valley..	W. A. Dold.
Roberts, T. F.....	Brandon.....	W. F. Middleton.
Robertson, Joseph A...	Galveston.....	University of Texas.
Robinson, Edna .....	Galveston.....	University of Texas.
Robison, S. A.....	Cleburne.....	University of Texas.
Rogers, M. W.....	Clarkson.....	University of Texas.
Royston, Robert R.....	Galveston.....	University of Texas.
Sappington, Henry.....	Austin.....	A. N. Denton.
Schaeffer, Charlotte....	San Antonio....	University of Texas.
Shearer, A. R.....	Wallisville.....	T. W. Shearer.
Shelhorse, H. C.....	Lindale. ....	J. I. Crook.
Sherrin, Jennie.....	Galveston.....	University of Texas.
Simonton, J. T., A. B...	Georgetown ....	University of Texas.
Smith, F. M.....	Merit.....	M. S. Howell.
Stephenson, T. B.....	Center.....	S. J. Smart.
Terry, Archie .....	Longview.....	W. D. Northcutt.
Turner, A. J.....	Jasper .....	University of Texas.
Veazey, William.....	Van Alstyne....	University of Texas.
Walker, T. C.....	Waco .....	S. E. Shelton.
Ward, J. T.....	Huntsville .....	J. W. Thomason.
Ware, Ella.....	Lorenz.....	University of Texas.
Wharton, Joseph B...	Kyle .....	J. N. H. Wharton.
White, T. W.....	Ennis .....	University of Texas.
Wilder, H. L.....	Weatherford ...	University of Texas.
Williams, J. J .....	Groesbeck .....	Pitts and Pitts.
Williams, St. John.....	Galveston .....	University of Texas.
Wilson, R. L.....	St. Elmo.....	University of Texas. (M. A., University of Texas.)
Wooldridge, W. Birch..	Galveston .....	University of Texas.
Woolworth, J. D.....	Carthage .....	University of Texas.
Wyatt, J. W.....	Poolville .....	W. J. Sparks.



Names.	Residence.	Preceptor.
Yeager, Robert L. ....	Mineral Wells...	C. F. Yeager.
York, F. A. ....	Laporte.....	University of Texas.
Zeigler, B. A. ....	Dodge.....	J. A. Hale.

## SPECIAL STUDENTS.

Alexander, R. J., M. D. ....	Troy .....	Memphis Med. College.
Allen, Leonard .....	Galveston .....	University of Texas.
Burkey, F. J., M. D. C. ....	Galveston .....	Chicago Vet. Medical College.
Clarke, J. V., M. D. ....	Bowie .....	Memphis Med. College.
Conger, Ralph E. ....	China Spring....	Tulane University.
Crook, James I .....	Lindale. ....	J. B. Fennell.
Daugherty, James .....	Fentress. ....	F. D. Johns.
English, E. W., M. D. ....	Slayden.....	Memphis Med. College.
Friend, S. J .....	Harbin .....	
Lane, C. S., M. D. ....	Corrigan .....	Memphis Med. College.
Pabst, Oscar, M. D. ....	Galveston .....	Tulane University.
Renfro, W. W. ....	Nolanville .....	Tulane University.
Strickland, G. D., M. D. ....	Omaha.....	Memphis Med. College.
Thomas, G. T., M. D. ....	Rogers .....	Mo. Medical College.

## MEDICAL.

Third year.....	37
Second year.....	52
First year .....	111
Special.....	14-214

## PHARMACY.

Second year.....	10
First year .....	24- 34
Total.....	248

## GRADUATES.

*Class 1895.*

Allen, Leonard.....	Galveston.
Kennedy, Thomas L.....	Galveston.
Magnenat, Louis E.....	Galveston.
Starley, W. F.....	Galveston.

*Class 1894.*

Duggan, Malone.....	Eagle Pass.
John, Walter N.....	Poteau, (I. T.).
Sampson, Jacob Henry.....	Houston.
Sparks, George.....	Rogers.
Thompson, Ernest A.....	Navasota.
Waters, Henry W.....	Plantersville.

*Class 1893.*

Gammon, William.....	Galveston.
Jackson, T. Terrell.....	San Antonio.

*Class 1892.*

Flavin, Thomas.....	Galveston.
Guinn, Houston T.....	Rogers Prairie.
Hendrick, Jesse P.....	Huntsville.

## TEXT BOOKS.

## FIRST YEAR.

*\*Anatomy:* Morris (\$7.50), Cunningham's Dissector's Guide (\$——).

*Physiology:* Kirke's (\$4.00), Landois and Stirling (\$6.50), Foster (\$4.50), Flint (\$6.00), or Stirling's Practical Physiology (\$2.00).

*\*Chemistry:* Ganot's Physics (\$5.00), Wurtz (\$1.80), Practical Exercises in Inorganic Chemistry, Morris (\$1.50).

*Materia Medica:* H. C. Wood (\$6.00), United States Dispensatory (\$7.00), Thornton's Prescription Writing (\$1.25), Cerna's New Remedies (\$1.00).

*Pathology:* Ziegler's Pathology (\$5.50), Klein's Micro-organisms and Disease (\$1.50), McFarland's Pathogenic Bacteria (\$——).

*Histology:* Piersol (\$3.50), Klein (\$1.75), or Stirling (\$4.50).

*Surgery:* Caird and Cathcart (\$2.50).

*Lexicon:* Gould (\$3.25), Thomas (\$3.00), Gould's Illustrated (\$10.00), National (\$12.00), Foster (\$36.00).

## SECOND YEAR.

*Anatomy:* Same as above.

*Physiology:* Same as above.

*Chemistry:* Attfield (\$2.75).

*Therapeutics:* Same as above (*Materia Medica*).

*Practice of Medicine:* Strumpell (\$6.00), Osler (\$5.50), American Text-book of Medicine (\$10.00), Vierordt's Medical Diagnosis (\$4.00).

*Obstetrics:* American Text-book of Obstetrics (\$——), Lusk (\$5.00), Grandin and Jarman (\$2.50).

*Surgery:* Moullin (\$7.00), American Text-book of Surgery (\$7.00), Tillman's Surgery and Surgical Pathology (\$5.00), Walsham (\$3.00).

\**Pathology:* Same as above; Bowlby's Surgical Pathology (\$2.00).

*Nervous Diseases:* Savage on Insanity (\$2.00), Ormerod on Nervous Diseases (\$2.00), Gower's Nervous Diseases (\$7.00).

*Lexicon:* Same as above.

## THIRD YEAR.

*Therapeutics:* Same as above.

*Practice of Medicine:* Same as above.

*Surgery:* Same as above; also Baker's Surgical Operations (\$3.25), Treve's Operative Surgery (\$9.00).

*Gynecology:* Thomas and Mundé (\$5.00), Keating and Coe (\$6.00).

*Pathology:* Same as above.

*Nervous Diseases:* Same as above.

*Diseases of Children:* J. Lewis Smith (\$4.50).

*Diseases of the Skin:* Hyde (§—), Crocker (§—).

*Ophthalmology:* Swanzy (\$3.00), de Schweinitz (\$4.00), Fuchs (\$5.00).

\**Diseases of Ear, Nose, and Throat:* Bosworth on Nose and Throat (\$6.00), Burnett's Otology (\$4.00).

*Medical Jurisprudence:* Wharton and Stillé (\$18.00), Reese (\$3.00).

*Lexicon:* Same as above.

NOTE.— In the above list of recommended text-books, the price noted in the parentheses is that of the cheapest named edition in each case, as a rule bound in cloth. Sheep binding, which is to be recommended for the larger and more constantly used volumes, will cost about a half or a whole dollar more than the prices quoted. The student is urged to possess himself of at least one text upon each subject. In some instances choice between several authors is left with the student; in such cases the work preferred is usually named first. Where the entire list should be procured the subject is marked with an asterisk (\*).

## HONORS AND PRIZES.

*Faculty Prize:* The Faculty offers a gold medal to the student who achieves the highest general average in all branches of the entire course required for graduation, including attendance.

This prize was awarded at the last graduation exercises to Mr. Louis E. Magnenat, class of 1895.

*Texas State Medical Association Prize:* As an incentive to greater effort and higher ambition, the Texas State Medical Association, at its meeting in Tyler (April, 1892), by resolution created a prize, to be known as the Texas State Medical Association Medal, to be awarded annually to the student of the third year class standing the best final examination.

*Kellar Prize:* J. M. Kellar, M. D., of Hot Springs, Arkansas, offers, annually, a gold medal to the student of the third year class who shall pass the best examination in Obstetrics and Gynecology.

The above prizes were awarded at the graduation exercises to Mr. W. F. Starley, of the class of 1895.

*Histology Prize:* The Professor of Pathology offers to that student of the first year class who shall attain the highest grade in Normal Histology a copy of an appropriate volume upon Microscopy. To Mr. F. F. Tucker, of the class of 1897, a copy of the last edition of Carpenter on the Microscope was awarded.

*Singer Prizes:* The J. Singer Book Co., of Galveston, offer as special prizes appropriate medical publications, to be awarded to the students of the third, second and first year classes of the School of Medicine, and of the second and first year classes of the School of Pharmacy, respectively, who shall attain the highest general grade for the entire term (including the final examinations) in each class.

These prizes were awarded at the last graduation exercises to Messrs. W. F. Starley, class of 1895, G. P. Rains, class of 1896, and F. F. Tucker, class of 1897.

*Surgical Prize:* A cash prize of twenty-five dollars is offered by the Professor of Surgery to the student of the graduating class who presents the best record of two surgical cases in the wards of Sealy Hospital and who passes the best special examination in the whole subject of surgery.

*Medical Prize:* The Professor of Practice of Medicine offers as a prize to that student of the second or third year who shall present the best record of his clinical lectures for the current year a gold medal.

*Hospital Appointments.*—At the close of each session four resident students have been selected by competitive exami-

nation to serve as internes in the John Sealy Hospital. Occupants of these positions receive their board, washing and lodging free, and enjoy superior opportunities for acquiring practical experience in the different departments of medicine and surgery. The term of service is for one year. As circumstances permit these positions will be filled by graduated physicians from the graduating class of the Medical College. The small size of the classes has heretofore prevented this arrangement; but with the large classes there will be no difficulty in thus increasing the efficiency of the hospital service.

Several other hospitals throughout the State are also open to members of the graduating class, and these internships will also be filled by competitive examination.

### EXPENSES.

Matriculation fee (paid but once for the entire term of three years, and not required when candidate has once paid to any other department of the University).....	\$30 00
Tuition .....	Nothing
Laboratory fees (paid annually to each laboratory attended):	
First year.....	\$20 00
Laboratory of Chemistry .....	5 00
Laboratory of Physiology .....	5 00
Laboratory of Normal Histology .....	5 00
Laboratory of Anatomy .....	5 00
Second year .....	\$20 00
Laboratory of Chemistry .....	5 00
Laboratory of Pathology .....	5 00
Laboratory of Physiology .....	5 00
Laboratory of Anatomy.....	5 00
Third year .....	\$15 00
Laboratory of Pharmacy.....	5 00
Laboratory of Bacteriology.....	5 00
Laboratory of Operative Surgery.....	5 00

Diploma fee.....	Nothing
Special or laboratory course, with class (for each laboratory attended) .....	5 00

Non-residents of the State of Texas are required to pay an annual tuition of \$50, in addition to the above laboratory fees and matriculation fee. Graduate physicians of the State are permitted to join the class without payment of any fee unless in competition for the degree.

### BOARD.

The cost of living will vary with the views of students. Good board can be had at prices ranging from \$5 to \$6 per week.

Students are advised to go directly to the College, on Strand, between Ninth and Tenth streets, on their arrival in the city. The Provost will be on hand, and will take pleasure in furnishing all necessary information and aid in obtaining board without delay.

Letters requesting information as to the curriculum should be addressed to

J. F. Y. PAINE, M. D., DEAN,  
P. O. Box 522, Galveston, Texas.

Business communications or requests for catalogues should be addressed to

J. P. JOHNSON, PROVOST,  
Medical Department University of Texas, Galveston, Texas.





## SCHOOL OF PHARMACY.

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The term extends over seven and one-half months, and attendance upon two full courses is required before applying for graduation.

The teaching consists of two lectures upon Pharmacy, two upon Chemistry, two on Materia Medica, one on Botany, and one on Physics, each week throughout the term, with two hours work per day for three days in each week in the Laboratories of Pharmacy and Chemistry, and two hours per week for half the term in each year in the microscopic laboratory upon the subjects of vegetable histology and microscopic pharmacognosy.

The laboratories are fully equipped, and every facility is given to students.

A well selected cabinet of drugs for the study of Materia Medica is placed at the disposal of the students.

Laboratory work constitutes one of the prime features of the School.

The course of instruction is a graded one, and students must pass an examination on the matter taught in the Junior year before they will be allowed to enter the Senior Class.

### PHARMACY.

PROFESSOR RAOUL R. D. CLINE, PH. G.

The instruction consists of two lectures each week during the term, and six hours work in the Pharmaceutical Laboratory.

The principles of Pharmacy will be discussed, and when practicable, illustrated by experiments, and in the laboratory the exercises will consist of the application of these principles to the processes of Pharmacy.

The Physics of Pharmacy, i. e., solution, evaporation, crystallization, distillation, sublimation, percolation, maceration, etc., will receive extended attention in the early part of the course, for the reason that they constitute the basis of all pharmaceutical operations.

In treating of crude drugs, their chemical constituents will receive due attention.

The proximate principles of plants will receive the share of attention which their medical importance demands.

In the Pharmaceutical Laboratory the student will be taught how to make the various pharmaceutical preparations, official and unofficial; the manufacture of inorganic acids and salts; the separation of alkaloids, neutral principles, and volatile oils; the preparation of pills, plasters, fluid extracts, tinctures, etc. The plan pursued will be to have each student conduct his operations in the same manner as if he were preparing the medicinal substances for actual use.

After the student has acquired sufficient familiarity with the processes of Pharmacy, and a fair amount of manipulative skill, including a knowledge of the chemical and physical properties of the substances dealt with, he will then be instructed in the art of compounding and dispensing prescriptions.

The advanced students will be given a series of lectures in volumetric and gravimetric analysis from a pharmaceutical standpoint. These lectures will dwell upon principles therein involved, also the modes of making and preserving the various reagents and indicators, together

with explanations of the modes of establishing tables of reference for use in such work.

The advanced students will also manufacture and purify calomel, iodoform, chloroform, acetanilide, salol, etc., and the various alkaloidal salts, especially with reference to rapid production and purification of same in prescription work.

The Pharmaceutical Laboratory occupies three rooms on the first floor of the College building, which are admirably adapted to the practical teaching of Pharmacy, being well lighted and ventilated, and supplied with every form of apparatus required for the teaching of this important branch.

### MATERIA MEDICA.

PROFESSOR EDWARD RANDALL, M. D.

Two lectures a week will be given upon *Materia Medica*, and will include a general description and classification of crude drugs, their physical, chemical and medical properties, preparations and doses, tests, toxicology, etc.

Frequent oral examinations will be given, upon which students are graded.

The laboratory contains a complete cabinet of *Materia Medica* and active principles for study by each student, as the articles are taken up by the professor during the term.

### CHEMISTRY.

PROFESSOR SETH M. MORRIS, B. Sc., M. D.

The Chemical Laboratory occupies the basement of the medical building, and accommodates nearly two hundred desks or working tables.

The apparatus belonging to this department is especially suited to teaching, and consists of a large supply of chemicals for general work, together with a considerable number of specimens of the rarer alkaloids and other drugs for exhibition; glass, iron, and brass ware for laboratory work, and a good supply of lecture apparatus for the purposes of demonstration.

This school also possesses a full supply of balances, spectroscopes, and other apparatus for special work.

During the first year there are given two lectures and four hours laboratory instruction each week. The general principles of Inorganic Chemistry are lectured upon, and in the laboratory, parallel with the lectures for the first two-thirds of the session, the method of preparation, the properties, both physical and chemical, of the metals and their compounds, and the acids, are studied.

The practical work of the latter third of the session consists in general qualitative analysis and tests for impurities in medicinal chemicals.

Appreciating the great value of a knowledge of Physics to Pharmacists, the professor of this department has instituted a series of fully illustrated lectures on this subject to first year men.

During the second year chemistry is studied theoretically in the lecture room, and practically in the laboratory in its special relation to pharmacy and medicine. During the first month, the practical work consists of a review of qualitative analysis, and during the remainder of the session of training in the general principles of quantitative analysis, both volumetric and gravimetric, and of plant analysis.

There are two lectures per week on general Inorganic Chemistry for the first three months, which are largely an

extended review of the lectures of the first year, and on Organic Chemistry during the remainder of the term. Four hours each week are devoted to laboratory instruction.

## BOTANY.

R. R. D. CLINE, PH. G., LECTURER.

One lecture each week will be delivered to each of the classes. These lectures will bear upon structural, physiological, histological and toxonomic botany, with special reference to pharmacy. Instruction will be given in plant analysis in field work. The course will also include instruction in pharmacognosy, the differential characteristics of the following families being taught and illustrated: Ranunculaceæ, Magnoliaceæ, Papaveraceæ, Cruciferae, Caryophyllaceæ, Malvaceæ. Polygalaceæ, Leguminosæ, Rosaceæ, Myrtaceæ, Cucurbitaceæ, Umbrelliferae, Caprifoliaceæ, Rubiaceæ, Compositæ, Labiatae, Boraginaceæ, Convolvulaceæ, Solanaceæ, Apocynaceæ, Asclepiadaceæ, Polygonaceæ, and Euphorbiaceæ.

A laboratory course in vegetable histology and a course in microscopic pharmacognosy are given in the Laboratory of Pathological Histology in connection with this department.

## REQUIREMENTS FOR ADMISSION AND GRADUATION.

Candidates for admission to the Course in Pharmacy are required:

1. To write an essay of about three hundred words in length, as a test of orthography and grammar.

2. To pass an examination in elementary arithmetic.

A candidate who has a scientific or literary degree, or a diploma from a recognized normal or high school, or who has passed the entrance examination of a recognized college, or who holds a second grade teacher's certificate, may enter without examination.

Students who have attended one full course of lectures in a recognized school of Pharmacy may be admitted to the second year of the course upon passing satisfactory examinations upon the Physics of Pharmacy, the Processes of Manufacture, and the Chemical Constituents of Official Inorganic Compounds, and the Pharmaceutical Preparations of Crude Drugs, General Inorganic Chemistry, and *Materia Medica*.

An applicant for graduation must have attended two full courses of lectures, the last of which has been in this school, and in order to be advanced to his degree, must pass satisfactorily an examination in each of the branches here taught, and write a thesis (original) on some subject pertaining to Pharmacy, or allied branches of science.

The system of grading is identical with that adopted by the School of Medicine.

### PRIZES.

The following prizes have been offered for the term of 1895 and 1896:

*Texas State Pharmaceutical Association Medal:* This medal is offered by the Texas State Pharmaceutical Association, to be awarded to that student of the graduating class who shall attain the highest grade of proficiency in Pharmacy.

This prize was awarded to Mr. W. E. Hubbert, of the class of 1895, at the last graduation.

*The James Kennedy Medals:* These medals were provided by the late Prof. Kennedy, to be awarded, respectively, to the student of the graduating class who shall attain the second highest grade in Pharmacy, and to the student of the first year who shall attain the highest grade of proficiency in Pharmacy. These prizes were awarded for the session of 1894-95, to Mr. A. E. Dabney, of the class of 1895, and Mr. J. E. Bany, of the class of 1896.

*The Singer Prizes:* The J. Singer Book Company, of Galveston, offer as prizes to that member of each class who attains the highest average grade for the year an appropriate pharmaceutical publication. These prizes were awarded at the graduation exercises of 1895 to Mr. J. E. Bany and Mr. A. G. Reynolds.

#### EXPENSES.

Matriculation fee (paid but once for the entire term of two years, and not required when the candidate has once paid to any other department of the University).	\$30 00
Laboratory of Pharmacy (each year)....	5 00
Laboratory of Chemistry (each year).....	5 00
Total for the two years.....	50 00
Special or Laboratory course, with class, for each Laboratory attended.....	5 00

Non-residents of the State of Texas are required to pay an annual tuition of \$50.

#### BOARD.

Good board can be had at prices ranging from \$18 to \$20 per month.

Students are advised to go directly to the College building, on Strand, between Ninth and Tenth streets, on their arrival in the city, where the Provost of the Medical De-

partment will be found, who will take pleasure in furnishing all necessary information and aid in obtaining board without delay.

Letters requesting information or catalogue should be addressed to J. P. Johnson, Provost, Medical Department of the University of Texas, Galveston, Texas,

### TEXT BOOKS.

#### FIRST YEAR.

*Pharmacy:* Remington's Pharmacy (§—).

*Chemistry:* Elements of Inorganic Chemistry, Wurtz (§1.80).

*Physics:* Ganot (§—).

*Botany:* College Botany, Bastin (§—); Analytical Key, Gray (§—).

*Materia Medica:* H. C. Wood, United States Dispensatory (§—).

#### SECOND YEAR.

*Chemistry:* General Medical and Pharmaceutical Chemistry, Attfield (§—). Other text-books, same as those of first year.



# ROSTER OF SCHOOL OF PHARMACY.

## FIRST YEAR.

HRS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8-9 a. m.			Chemistry.	Chemistry.		Physics.
9-10 a. m.	Vegetable Histology, 1st Half Term.	Pharmacy.		Vegetable Histology, 1st Half Term.	Pharmacy.	Botany.
10-11 a. m.	Pharmaceutical Laboratory.		Pharmaceutical Laboratory.		Pharmaceutical Laboratory.	
11-12 m.						
12-1 p. m.						
2-3 p. m.		Chemical Laboratory.	Chemical Laboratory.			
3-4 p. m.						
4-5 p. m.						
5-6 p. m.	Materia Medica.				Materia Medica.	

SECOND YEAR.

HRS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8-9 a. m.						
9-10 a. m.	Pharmaceutical Microscopy 2nd Half Term.	Organic Chemistry.	Botany.	Pharmaceutical Microscopy, 2nd Half Term.	Organic Chemistry.	Chemical Laboratory.
10-11 a. m.		Pharmacy.		Pharmacy.		
11-12 m.		Pharmaceutical Laboratory.		Pharmaceutical Laboratory.		Pharmaceutical Laboratory.
12-1 p. m.						
2-3 p. m.	Chemistry.			Chemistry.	Chemical Laboratory.	
3-4 p. m.						
4-5 p. m.		Therapeutics.		Therapeutics.		
5-6 p. m.						

# LIST OF MATRICULATES,

## SESSION OF 1895-96.

### FIRST YEAR CLASS.

Name.	Residence.
Ankerson, Gus E.....	San Antonio.
Boren, W. G.....	Carthage.
Breyman, Paul.....	Schulenburg.
Bright, J. C.....	Gonzales.
Carstanjen, R.....	Boerne.
Etienne, Sr., M.....	Galveston.
Everett, May.....	Galveston.
Fairbanks, G. D. (LL. B., University of Michigan).....	Denison.
Gordon, E. S.....	Ovilla.
Grimes, R. H.....	Bastrop.
Howze, Bertha, B. S.....	Overton.
Hurt, R. A.....	Guion.
Johnson, Jewell A.....	Rusk.
Loging, W. C.....	Weimar.
Lane, W. E.....	Manor.
Lawrence, D. H.....	Bonham.
Martindale, W. W.....	Martindale.
Milburn, Conn L.....	San Antonio.
Miller, Felix P.....	Colorado.
McKee, J. M.....	Buna.
Patterson, J. W.....	Ballinger.
Rosalie, Sr., M.....	Galveston.
Weeks, J. A.....	Ballinger.
Woodall, E. A.....	Marshall.

### SECOND YEAR CLASS.

Clarke, Carroll S.....	Austin.
Fuller, James E.....	Jacksonville.
Hodges, John R.....	Midland.

Name.	Residence.
Koerth, Emil C.....	Houston.
Koester, H.....	Galveston.
Maymon, M.....	Palestine.
Morris, T. J.....	Lindale.
Petty, T. Y.....	Hempstead.
Sparks, Conde W.....	Alvarado.
Warner, Henry J.....	Gonzales.
First Year .....	24
Second Year .....	10
Total.....	<hr/> 34

# SUMMARY OF STUDENTS

## IN THE

### UNIVERSITY OF TEXAS, 1895-96.

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#### DEPARTMENT OF LITERATURE, SCIENCE, AND ARTS.

Graduates .....	14
Seniors .....	24
Juniors .....	33
Sophomores .....	45
Freshmen .....	174
Specials .....	53—343

#### DEPARTMENT OF LAW.

Graduates .....	1
Seniors .....	42
Juniors .....	101—144

#### DEPARTMENT OF MEDICINE.

Third year .....	37
Second year .....	52
First year .....	111
Special medical students .....	14
Pharmaceutical students .....	34—248
	735
Names repeated .....	5
	730
Grand total .....	



## HISTORICAL SKETCH.

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Extract from the Declaration of Independence of the Republic of Texas, made March 2, 1836:

"It [the government of Mexico] has failed to establish any public system of education, although possessed of almost boundless resources [the public domain], and although it is an axiom in political science that unless a people are educated and enlightened it is idle to expect the continuance of civil liberty, or the capacity for self-government."

It was provided in the Constitution of the Republic of Texas, in 1836, that "it shall be the duty of Congress, as soon as circumstances will permit, to provide by law a general system of education." (Gen. Prov., sec. 5, Hartley's Digest, p. 37.)

The Congress of Texas passed an act, approved on the fourteenth of January, 1839, providing for the election of five commissioners to select a site for the location of the seat of government above the old San Antonio road, to be named the City of Austin, and to have it laid off into lots and sold; and further, before the said sale to "set apart a sufficient number of the most eligible for a capitol, arsenal, magazine, university, academy, churches, common schools, hospital, penitentiary, and for all other necessary buildings and purposes." (Acts of first session of Third Congress, page 36.)

In the performance of the requirements of this act, the square of land containing forty acres, upon which the University building is now situated, was selected and set apart for the University, the elevated mound in the center of said square being then covered with a beautiful growth of large live oaks. For more than forty years it remained unoccupied, and was known as "College Hill."

At the same session an act was passed by the Congress of the Republic of Texas, January 26, 1839, by which the President of the Republic was authorized and required to have surveyed from the vacant lands of the Republic fifty leagues of land, which were set apart and appropriated for the purpose of University educa-

tion. (First session Third Congress, p. 120; Paschal's Digest, p. 579.)

In pursuance of this law the said lands were located and surveyed in the counties of Cooke, Fannin, Grayson, Hunt, Collin, Lamar, McLennan, Shackelford, and Callahan. The greater portion of them have been sold under laws passed for that purpose. (See acts from 1850 to 1862, Paschal's Digest, pp. 579, 580, 581; acts of Eleventh Legislature, pp. 37, 93, 191, in 1866; acts 1874, Revised Statutes, p. 581; regular session acts of 1879, p. 39; regular session acts of 1883, p. 85.)

As said lands have been sold, the proceeds of the sales have been invested in interest-bearing Texas State bonds.

The establishment of the University of Texas was provided for by an act of the Legislature of Texas, February 11, 1858. The preamble of said act reads as follows: "Whereas, from the earliest time it has been the cherished design of the people of the Republic and of the State of Texas, that there shall be established within her limits an institution of learning for the instruction of the youths of the land in the higher branches of learning and in the liberal arts and sciences, and to be so endowed, supported, and maintained as to place within the reach of our people, whether rich or poor, the opportunity of conferring upon the sons of the State a thorough education, and as a means whereby the attachment of the young men of the State to the interests, the institutions, the rights of the State and the liberties of the people might be encouraged and increased, and to this end liberal appropriations have been made; and whereas, the increase of population and wealth of the State, and the tendency of events, indicate the fitness of now putting the cherished design into effect; therefore," etc. The said act proceeds to appropriate and set apart to said University one hundred thousand dollars of the United States bonds in the treasury, the fifty leagues of land given to the endowment by the act of 1839, and one section of land out of every ten "which have heretofore been or may hereafter be surveyed and reserved for the use of the State under the provisions of the act of thirtieth of January, 1854, or acts general or special granting lands to railroad companies, and of the act granting lands to the Galveston and Brazos Navigation Company, to be selected by the Governor." (See reservation in act of 1854; O. & W. Dig., p. 371, art. 1676, sec. 11.) Provision was also made



for the appointment of ten persons, to be styled "The Administrators of the University of Texas," to put the said institution into operation. It was not done under this act. (O. & W. Dig., p. 450; Pasch. Dig., p. 581.)

By the acts of the Legislature in January, 1860, and in January and February, 1861, the amount of \$134,768.62, belonging to the fund of the University, was appropriated to the revenue account. (Pasch. Dig., pp. 582, 583.)

Under direction of the Constitution of 1866, and a law of the Legislature of the same year, State bonds were issued, bearing five per cent interest, to refund said amount. (Pasch. Dig., p. 945, sec. 8; Laws of 1866, p. 185.) These were afterwards reported as being of doubtful validity, and after repeated efforts to have their validity recognized by the Legislature, it was finally accomplished during the session of 1883, the amount recognized being \$134,472.26. (See Gen. Laws 1883, p. 15.)

In the Constitution of 1866, it was directed that "the Legislature shall, at an early day, make such provision by law as will organize and put in operation the University." (Pasch. Dig., p. 945, sec. 8.)

Extract from the Constitution of the State, adopted 1876:

"SEC. 10. The Legislature shall, as soon as practicable, establish, organize, and provide for the maintenance, support, and direction of a University of the first class, to be located by a vote of the people of this State, and styled 'The University of Texas,' for the promotion of literature, and the arts and sciences, including an agricultural and mechanical department.

"SEC. 11. In order to enable the Legislature to perform the duties set forth in the foregoing section, it is hereby declared that all lands and other property heretofore set apart and appropriated for the establishment and maintenance of 'The University of Texas,' together with all the proceeds of sales of the same heretofore made or hereafter to be made, and all grants, donations, and appropriations that may hereafter be made by the State of Texas, or from any other source, shall constitute and become a permanent University fund. And the same as realized and received into the treasury of the State (together with such sums belonging to the fund as may now be in the treasury) shall be invested in the bonds of the State of Texas, if the same can be obtained; if not, then in United States bonds; and the interest

accruing thereon shall be subject to appropriation by the Legislature to accomplish the purpose declared in the foregoing section: *Provided*, that one-tenth of the alternate sections of lands granted to railroads, reserved by the State, which were set apart and appropriated to the establishment of 'The University of Texas' by an act of the Legislature of February 11, 1858, entitled 'An act to establish "The University of Texas,"' shall not be included in or constitute a part of the permanent university fund.

"SEC. 12. The land herein set apart to the university fund, shall be sold under such regulations, at such times, and on such terms, as may be provided by law; and the Legislature shall provide for the prompt collection, at maturity, of all debts due on account of University lands heretofore sold, or that may hereafter be sold, and shall in neither event have the power to grant relief to the purchasers.

"SEC. 13. The Agricultural and Mechanical College of Texas, established by an act of the Legislature, passed April 17, 1871, located in the county of Brazos, is hereby made and constituted a branch of the University of Texas, for instruction in agriculture, the mechanic arts, and the natural sciences connected therewith. And the Legislature shall, at the next session, make an appropriation not to exceed forty thousand dollars for the construction and completion of the buildings and improvements, and for providing the furniture necessary to put said college in immediate and successful operation.

"SEC. 14. The Legislature shall also, when deemed practicable, establish and provide for the maintenance of a college, or branch University, for the instruction of the colored youths of the State, to be located by a vote of the people: *Provided*, that no tax shall be levied and no money appropriated out of the general revenue, either for this purpose or for the establishment and erection of the buildings of the University of Texas.

"SEC. 15. In addition to the lands heretofore granted to the University of Texas, there is hereby set apart and appropriated for the endowment, maintenance and support of said University and its branches, one million acres of the unappropriated public domain of the State, to be designated and surveyed as may be provided by law; and said lands shall be sold under the same regulations and the proceeds invested in the same manner as is provided for the sale and investment of the permanent University

fund; and the Legislature shall not have the power to grant any relief to the purchasers of said lands."

By the fifteenth section of the Constitution above quoted, there was set apart and appropriated to the University of Texas one million acres of land, to be designated and surveyed as may be provided by law. By the provisions of the law in the Revised Civil Statutes, adopted in 1879, said lands were located and surveyed, in sections of 640 acres, in the counties of Tom Green, Pecos, and Crockett. (Rev. Stats., p. 579.)

By an act of the Legislature passed March 30, 1881, the location of the University was submitted to a vote of the people, and provision was made for appointing the Regents, who were authorized to contract for a suitable building, to elect a faculty, and to take such action as was necessary for the organization of the University. The election to determine the location of the University was held the first Tuesday of September, 1881, and resulted in the selection of Austin for the location of the main University, and of Galveston for the location of the medical department. By this act the University was "open to male and female on equal terms, without charge for tuition."

*"An Act to Establish the University of Texas.*

"SECTION 1. Be it enacted by the Legislature of the State of Texas: That there be established in the State, at such a locality as may be determined by a vote of the people, an institution of learning, which shall be called and known as The University of Texas. The medical department of the University shall be located, if so determined by a vote of the people, at a different point from the University proper, and as a branch thereof; and a question of the location of the said department shall be submitted to the people and voted on separately from the proposition for the location of the main University. The nominations and elections for the location of the medical department shall be subject to the other provisions of this act with respect to the time and manner of determining the location of the University.

"SEC. 2. An election shall be held on the first Tuesday of September, 1881, for the purpose of locating the University of Texas, and the Governor is hereby authorized and instructed to issue his proclamation ordering an election on said day for said purpose;

and returns of said election shall be made in the manner prescribed in the general election law.

"SEC. 3. All localities put in nomination for the location of the University shall be forwarded to the Governor at least forty days anterior to the holding of said election, and the Governor shall embrace in his proclamation ordering said election the names of said localities: *Provided*, that any citizen may vote for any locality not named in said proclamation.

"SEC. 4. The locality receiving the largest number of votes shall be declared elected, and the University shall be established at such locality: *Provided*, that the vote cast for said locality shall amount to one-third of the votes cast; but if no place shall receive one-third of the entire vote cast, another election shall be ordered within ninety days of the first election, between the two places receiving the highest number of votes, and the one receiving the highest number at said election shall be declared to be selected by the people as the location of the University of Texas.

"SEC. 5. The government of the University shall be vested in a Board of Regents, to consist of eight members, selected from different portions of the State, who shall be nominated by the Governor and appointed by and with the advice and consent of the Senate.

"SEC. 6. The Board of Regents shall be divided into classes, numbered one, two, three, and four, as determined by the Board at their first meeting; shall hold their office two, four, six, and eight years, respectively, from the time of their appointment. From and after the first of January, 1883, two members shall be appointed at each session of the Legislature to supply the vacancies made by the provisions of this section, and in the manner provided for in the preceding section, who shall hold their offices for eight years respectively.

"SEC. 7. The Regents appointed pursuant to the fifth section of this act, and their successors in office, shall have the right of making and using a common seal, and altering the same at pleasure.

"SEC. 8. The Regents shall organize by the election of a president of the Board of Regents, from their own number, who shall hold his office during the pleasure of the Board. They shall establish the departments of a first-class University, determine the offices and the professorships, appoint the professors (who shall

constitute the faculty, with authority to elect their own chairman) and other officers, fix their respective salaries, and enact such by-laws, rules, and regulations as may be necessary for the successful management and government of the University: *Provided*, that the salaries and expenses of the University shall never exceed the interest on the University fund and land sales fund, or ever become a charge on the general revenue of the State.

"SEC. 9. The immediate government of the several departments shall be entrusted to their respective faculties, subject to the joint supervision of the whole faculty, but the Regents shall have power to regulate the course of instruction, and prescribe, by and with the advice of the professors, the books and authorities used in the several departments, and to confer such degrees and to grant such diplomas as are usually conferred and granted by universities.

"SEC. 10. The Regents shall have power to remove any professor, tutor, or other officer connected with the institution, when in their judgment the interest of the University shall require it.

"SEC. 11. The fee of admission to the University shall never exceed thirty dollars, and it shall be open to all persons in the State who may wish to avail themselves of its advantages, and to male and female on equal terms, without charge for tuition, under such regulations as the Board of Regents may prescribe.

"SEC. 12. The Treasurer of the State shall be the treasurer of the University.

"SEC. 13. It shall be the duty of the Governor, within thirty days after the location of the University shall have been determined, to convene the Board of Regents at the city of Austin, for the following purposes:

"First. To effect the permanent organization of said Board.

"Second. To adopt such regulations as they may deem proper for their government.

"SEC. 14. Meetings of the Board shall be called in such manner and at such place as the Regents may prescribe, and a majority of them so assembled shall constitute a quorum for the transaction of business, and a less number may adjourn from time to time.

"SEC. 15. It shall be the duty of the Board of Regents, after the organization of the Board of Regents, to meet at the place chosen for the University for the following purposes:

"First. To establish the departments of the University.

"Second. To define the general plan of the University buildings.

"Third. To advertise for plans and specifications of the same.

"Fourth. To take such action as may be deemed advisable for the creation of professorships and the election of professors.

"Fifth. To take such other action as may be deemed necessary for perfecting the organization of the University.

"SEC. 16. After the plans and specifications of the building shall have been adopted, it shall be the duty of the Board of Regents to advertise for bids for the construction of the same, and to proceed as soon as practicable to the erection of the same. The buildings to be substantial and handsome, but not loaded with useless and expensive ornamentations: *Provided*, that the cost of the buildings shall not exceed one hundred and fifty thousand (\$150,000) dollars. *And provided further*, that said buildings shall be so constructed as to admit of additions thereto without marring the harmony of the architecture.

"SEC. 17. The Regents are empowered, and it shall be their duty to purchase the necessary furniture, library, apparatus, museum and other appliances: *Provided*, that the amount expended for said purposes shall not exceed forty thousand dollars.

"SEC. 18. The Regents shall have authority to expend the interest which has heretofore accrued and may hereafter accrue on the permanent University fund, for the purposes herein specified and for the maintenance of the branches of the University; and the said interest is hereby appropriated for this purpose.

"SEC. 19. All expenditures shall be made by the order of the Board of Regents, and the same shall be paid on warrants of the Comptroller, based on vouchers approved by the president and countersigned by the secretary.

"SEC. 20. No religious qualification shall be required for admission to any office or privilege in the University, nor shall any course of instruction of a sectarian character be taught therein.

"SEC. 21. The Board of Regents shall report to the Board of Education annually, and to each regular session of the Legislature, the condition of the University, setting forth the receipts and disbursements, the number and salary of the faculty, the number of students, classified in grades and departments, the expenses of each year, itemized, and the proceedings of the Board and faculty fully stated.

"SEC. 22. There shall be appointed by the Legislature at each regular session a board of visitors, who shall attend the annual examinations of the University and its branches, and report to the Legislature thereon.

"SEC. 23. The reasonable expenses incurred by the Board of Regency and visitation in the discharge of their duties, shall be paid from the available University fund.

"SEC. 24. That all laws and parts of laws in conflict with this act be and the same are hereby repealed."

Approved March 30, A. D. 1881.

*Amendment.*

"SECTION 1. Be it enacted by the Legislature of the State of Texas: That section 5 of an act entitled 'An act to establish the University of Texas,' passed at the present session of the Legislature, be so amended as to hereafter read as follows:

"SEC. 5. The government of the University shall be vested in a Board of Regents, to consist of eight members, selected from different portions of the State, who shall be nominated by the Governor and appointed by and with the consent of the Senate; and should a vacancy occur by reason of death, resignation or removal of any of the Regents, or from any other cause, at a time when the Legislature is not in session, the Governor shall have power to fill such vacancy until the meeting of the next succeeding Legislature."

Approved April 1, A. D. 1881.

Under authority of the Regents the Academic and Law departments were organized, and on the fifteenth of September, 1883, the University was formally opened in the University building, then incomplete. The exercises of the University were conducted in the Temporary Capitol until the first day of January, 1884, when the rooms in the University building were occupied.

The central part of the main University building was completed in the fall of 1889, the Twentieth and Twenty-first Legislatures having appropriated \$75,000 for this purpose.

The John Sealy Hospital was donated by the city of Galveston in 1890 to the University, to be used in connection with instruction given in the medical department.

Brackenridge Hall was erected at a cost of \$17,000, and opened to students December 1, 1890.

The Medical Department building at Galveston was completed at a cost of \$125,000 in the summer of 1891, and the Medical School was formally opened in October of that year.

The Chemical Laboratory was built at a cost of \$25,000, and opened to students January 1, 1892.

*"An Act to invest the Board of Regents of the University of Texas with the Management and Control of the University Lands.*

"SECTION 1. Be it enacted by the Legislature of the State of Texas: That the Board of Regents of the University of Texas are hereby invested with the sole and exclusive management and control of the lands which have heretofore been, or which may hereafter be set aside and appropriated to, or acquired by the University of Texas, with the right to sell, lease, or otherwise manage, control, and use the same in any manner and at such prices and under such terms and conditions as may to them seem best for the interest of the University, not in conflict with the Constitution of this State; provided, that such land shall not be sold at a less price per acre than the same class of land of other funds may be sold at under the statutes.

"SEC. 2. The Commissioner of the General Land office is hereby directed to furnish as soon as practicable to said Board of Regents complete and accurate maps, and all other data necessary to show the location and condition of every tract of said University lands, and shall at all times hereafter furnish to said Board such additional information as they may require, and shall at all times render to said Board such assistance as may be possible, and as they shall request, in the discharge of the duties hereby imposed on said Board.

"SEC. 3. All records and accounts of transactions in University lands, and of moneys paid thereon, shall be kept in the General Land Office, and in office of the Treasurer, as heretofore, and all patents shall be signed and issued as heretofore, and all moneys received on the sales or leases of said lands shall be paid to the Treasurer of the State.

"SEC. 4. Whereas, it is desirable to place said University lands under the control of the Board of Regents at as early date as



possible, in order that the interests of the University be properly looked after, and the greatest possible amount of revenue realized, it is declared that an imperative public necessity exists, requiring the suspension of the constitutional rule which requires bills to be read on three several days, and the same is hereby suspended, and that this act take effect and be in force from and after its passage, and it is so enacted.

"NOTE.—The foregoing act was presented to the Governor of Texas for his approval on the first day of March, A. D. 1895, but was not signed by him, nor returned to the house in which it originated, with his objections thereto, within the time prescribed by the Constitution, and thereupon became a law without his signature.—ALLISON MAYFIELD, Secretary of State."

The University is an integral part of the public organization for education established by law, and embedded in the successive Constitutions of this State; and it is the traditional and established policy of this State to support the University as the crown and glory of the public school system. This is an indisputable fact, made conspicuous not by inference, but by explicit utterances, perfectly unequivocal. Citizenship in an organized commonwealth carries with it the inalienable obligation to promote the State's highest educational creation, its University; and in this, as in all cases, duty coincides fully with interest and honor.



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## 1897.

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# CALENDAR.

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## FOR THE SESSION OF 1895-96.

FINAL EXAMINATIONS BEGIN.....Monday, June 8, 1896.  
ANNUAL MEETING OF REGENTS.....Wednesday June 17, 1896.  
DEGREES AND CERTIFICATES CON-  
FERRED (COMMENCEMENT DAY).....Wednesday, June 17, 1896.

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## FOR THE SESSION OF 1896-97.

SESSION BEGINS .....Wednesday, Sept. 23, 1896.  
THANKSGIVING DAY .....Thursday, Nov. 26, 1896.  
FALL EXAMINATIONS BEGIN .....Thursday, Dec. 17, 1896.  
CHRISTMAS RECESS BEGINS.....Thursday, Dec. 24, 1896.  
WINTER TERM BEGINS .....Friday, Jan. 1, 1897.  
WASHINGTON'S BIRTHDAY.....Monday, Feb. 22, 1897.  
WINTER EXAMINATIONS BEGIN.....Monday, March 8, 1897.  
SPRING TERM BEGINS.....Monday, March 15, 1897.  
SAN JACINTO DAY .....Wednesday, April 21, 1897.  
FINAL EXAMINATIONS BEGIN.....Monday, June 7, 1897.  
ANNUAL MEETING OF REGENTS.....Wednesday, June 16, 1897.  
DEGREES AND CERTIFICATES CON-  
FERRED (COMMENCEMENT DAY).....Wednesday, June 16, 1897.